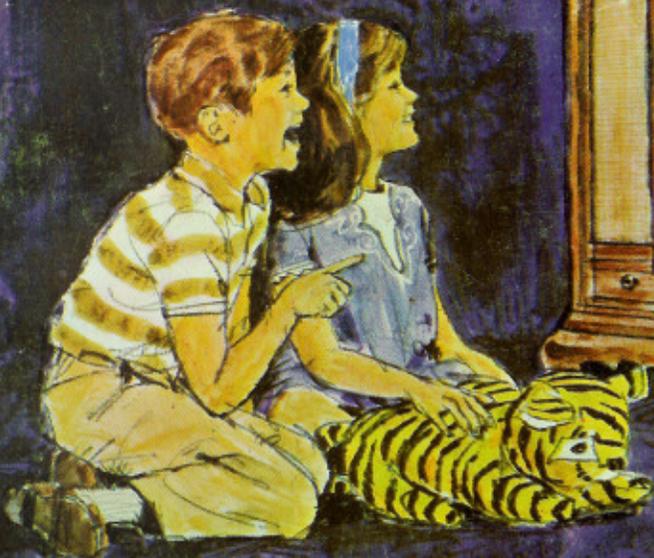


JERROLD

tv-fm antennas,
reception and
distribution
equipment

JERROLD

focusing on one thing—
better reception



Jerrold TV-FM Antennas, Reception and Distribution Equipment for homes, apartments, motels, TV dealer showrooms

JERROLD . . . world's largest designer-manufacturer of TV-FM antennas, reception and distribution equipment . . . presents the industry's most complete and technically advanced product lines. The equipment shown in these pages is the result of Jerrold's long experience, unmatched in the field of TV reception-distribution, and set new performance standards for controlling and improving signal quality.

The Jerrold antenna line features models for all needs and locations . . . each with sharp directivity, uniform response and perfect match. And their rugged construction insures long-life, trouble-free operation. A complete spectrum of reception aids,

head-end and distribution equipment, outlets and accessories, meet diverse television reception requirements for entertainment, education, commercial and industrial applications. From the smallest home TV installation to the largest master antenna system, Jerrold is the recognized leader.

Distributors, dealers, and installers in increasing numbers, realize that with customer requirements for color, all-channel reception, and more-and-more channels, the best equipment is also the best dollar buy. This catalog illustrates a line of fully matched Jerrold components which will insure the customer of the best possible reception.

HOME ANTENNAS

ALL-CHANNEL VHF/FM/UHF

PATHFINDER ANTENNAS, Coloraxial/300-ohm	T-1
METROCOLOR ANTENNAS, Coloraxial/300-ohm	T-2
VIEWFINDER ANTENNAS, 300-ohm	T-5

VHF/FM

METROCOLOR ANTENNAS, Coloraxial/300-ohm	T-2
COLORGUARD ANTENNAS, Coloraxial	T-2
COLORGUARD ANTENNAS, 300-ohm	T-2
PARALOG PLUS ANTENNAS, Coloraxial/300-ohm	T-3
SINGLE CHANNEL ANTENNAS, 300-ohm	T-4
BROADBAND YAGI ANTENNAS, 300-ohm	T-4
COLORPEAK ANTENNAS, 300-ohm	T-6
GOLD STAR CONICALS, 300-ohm	T-7

UHF

PARAPRO ANTENNAS, Coloraxial/300-ohm	T-4
PARAPRO TRANSLATOR ANTENNAS, Coloraxial/300-ohm	T-4
PARACYL ANTENNAS, 300-ohm	T-7
STACKED-BOWTIE ANTENNAS, 300-ohm	T-7
YAGI ANTENNAS, 300-ohm	T-7

FM

PARALOG FM ANTENNAS, 300-ohm	T-7
FM YAGI ANTENNAS, Coloraxial	T-7
FM YAGI ANTENNAS, 300-ohm	T-8
FM OMNI-DIRECTIONAL ANTENNAS, 300-ohm	T-8

INDOOR ANTENNAS

ALL-CHANNEL ANTENNAS	T-8
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MOUNTING ACCESSORIES

Consult Price List	
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RECEPTION AIDS

PREAMPLIFIERS	Y-1
SPLITTER/MIXERS	Y-4
ANTENNA SWITCHES	Y-4
ATTENUATORS	Y-4
COLORAXIAL SHIELDED CABLE	Y-4
COLORAXIAL CONVERSION KITS	Y-4
MULTI-SET COUPLERS, PASSIVE	Y-4
HOME DISTRIBUTION AMPLIFIERS	Y-5
TV/FM AMPLIFIED COUPLERS, 300 OHMS	Y-6
UHF AMPLIFIED COUPLERS, 300 OHMS	Y-6
FM AMPLIFIED COUPLERS, 300 OHMS	Y-6
TOP-OF-THE-SET UHF CONVERTERS	Y-6

SYSTEMS ANTENNAS

SINGLE CHANNEL ANTENNAS	W-1
BROADBAND ANTENNAS	W-1
STACKING KITS	W-2

TV/FM DISTRIBUTION EQUIPMENT

BROADBAND AMPLIFIERS	X-1
SYSTEM PREAMPLIFIERS	X-2
ANTENNA MATCHING NETWORKS	X-3
ANTENNA MIXING NETWORKS	X-3
TRAPS AND FILTERS	X-4
UHF CHANNEL CONVERTERS	X-5
AUDIO AMPLIFIERS, MODULATORS AND TUNERS	X-6
TAP-OFFS AND OUTLETS	X-7
ATTENUATORS	X-9
INDOOR MATCHING TRANSFORMERS	X-9
DESIGN AIDS	X-10
70-OHM LINE SPLITTERS	X-10
DIRECTIONAL COUPLERS	X-11
AURAL CARRIER REDUCERS	X-11
CABLE EQUALIZERS	X-11
TERMINATIONS	X-11
COAXIAL CONNECTORS, ADAPTERS AND FITTINGS	X-12
TOOLS	X-13
TEST EQUIPMENT	X-14

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I

JERROLD

HOME ANTENNAS

JERROLD presents the industry's most complete line of Antennas and Reception Aids. There is a model designed to meet the exact needs of each reception area, from metropolitan to deep-fringe.

Antenna systems today must meet the highest possible standards of performance. All-channel reception, color television, larger viewing screens, improved receiver performance, and longer viewing periods (television watching is the nation's most popular recreation), all demand the finest TV reception and picture quality.

While the needs for better signals at the TV receiver have increased, so have the problems of receiving these signals at the antenna. For example, color signals are inherently weaker than black-and-white and require an antenna with higher gain and extremely flat response. Ghosts and smears which might have been tolerated for black-and-white are unacceptable for color. There are many other reasons why antennas today must be engineered to a new level of performance. The easiest way to assure "picture perfect" quality is by selecting the proper Jerrold antenna model.

COLORAXIAL ANTENNA SYSTEM

Twinlead versus Coaxial Cable . . . the difference is Color TV. The installer and home owner have been relying on 300-ohm twinlead since the infancy of television. Why then has the time come to switch to a 75-ohm coaxial cable system and a Coloraxial Antenna? The answer is simple: Coax is a much better transmission line than twinlead, and Color TV is more critical.

Coaxial cable is used in the TV broadcast studio to carry signals from the camera and control console to the transmitters. This insures the purity of the TV signal

by preventing interfering signals from entering the transmission line—coax is a shielded cable.

Home antenna systems are also subject to man-made interferences which in many areas seriously degrade reception. This is particularly apparent with color TV. Metal objects, such as staples and standoffs, can cause standing-waves and color smearing in conventional twinlead. In these problem locales a "Coloraxial" Antenna System is a must. For all other installations a Coloraxial Antenna is still the best buy for Color TV.

COLORAXIAL PATHFINDER, 82 CHANNEL ANTENNAS

. . . the one antenna with separate
VHF and UHF orientation

Pathfinder™

The Jerrold PATHFINDER Series is a unique combination—a periodic VHF antenna—plus an advanced-design UHF section, cascaded into one pre-assembled unit. Both 75-ohm Coloraxial and 300-ohm outputs are provided on all PXB Models.

VHF and UHF sections are coupled with a unique hinged joint, allowing each to be individually oriented for maximum directivity—then rigidly secured. While you get all the flexibility of separate VHF and UHF antennas, PATHFINDER eliminates the combiners (with their inherent losses) needed to couple separate antennas with a common downlead. And you receive all the advantages of installing a single unit.

FEATURES

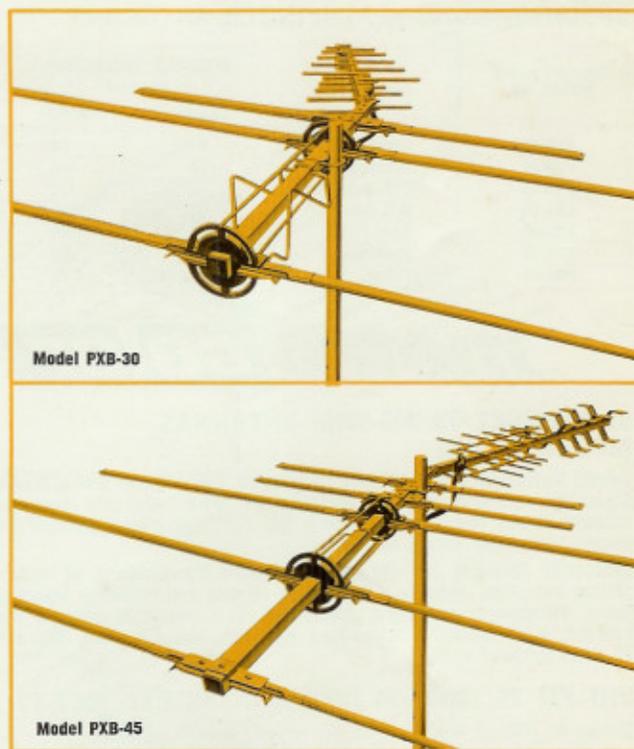
- Flat response across entire band (Channels 2-83).
- Above average front-to-back ratio for high rearward rejection.
- Low VSWR to prevent line ghosting and smearing.
- High gain and sharp directivity for snow-free pictures.
- Golden Armor Coating—a superior corrosion-resistant finish.
- Square boom construction for greater strength and long life.
- Articulated (hinged) joining permits individual orientation of up to 30 degrees of the VHF and UHF sections.
- Option of separate mounting for angles greater than 30 degrees.
- Elimination of combiners—unlike separate antennas, no combiners (with inherent losses) required to couple VHF and UHF antenna into a common downlead.

PXB-30 COLORAXIAL PATHFINDER

PXB-30K COLORAXIAL PATHFINDER KIT

Comprises PXB-30 Antenna, 799 Tri-Mount, five foot mast, fifty feet of Coloraxial Cable, T-380A Matching Transformer/Splitter, and hardware.

PXB-45 COLORAXIAL PATHFINDER



PXB-45K COLORAXIAL PATHFINDER KIT

Comprises PXB-45 Antenna, 799 Tri-Mount, five foot mast, fifty feet of Coloraxial Cable, T-380A Matching Transformer/Splitter, and hardware.

PXB-48 COLORAXIAL PATHFINDER

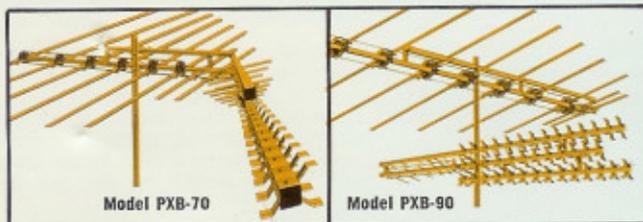
Similar to PXB-50 except that there is no provision for separate VHF and UHF section orientation.

Pathfinder™



Model PXB-50

PXB-50 COLORAXIAL PATHFINDER



Model PXB-70

Model PXB-90

PXB-70 COLORAXIAL PATHFINDER

PXB-65 COLORAXIAL PATHFINDER

Same as PXB-70 except that there is no provision for separate VHF and UHF section orientation.

PXB-90 COLORAXIAL PATHFINDER

SPECIFICATIONS—PATHFINDER ANTENNAS

MODEL NO.	APPLICATION	MAXIMUM DIMENSIONS (inches)	
		Length	Width
PXB-30	Local	47	84
PXB-45	Suburban	74	108
PXB-48	Diff. Suburban	75	102
PXB-50	Diff. Suburban	90	102
PXB-65	Semi-Fringe	129	102
PXB-70	Semi-Fringe	129	102
PXB-90	Fringe	165	102

metrocolor™

82-CHANNEL 75/300-OHM ANTENNAS, MODEL MCX-82

Jerrold Metrocolor Model MCX-82 receives all VHF, FM and UHF stations. Especially recommended for metropolitan areas where a powerful antenna is not required, but where tall buildings cause multiple TV images, commonly known as ghosts.

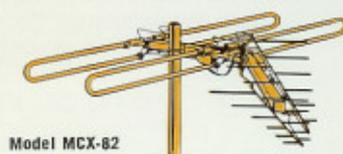
Metrocolor Antennas are engineered to solve the problems of metropolitan reception. They reject reflected signals and minimize standing waves. Effective in preventing ghosts and color smears as many of the bulkiest, most expensive fringe-type antennas. Includes both 300 and 75-ohm Coloraxial outputs.

VHF-FM 75/300-OHM ANTENNA, MODEL MCX-13

Similar to MCX-82, except does not include a UHF section.

SPECIFICATIONS—METROCOLOR ANTENNAS

METRO-COLOR MODEL	TV BAND	MAX. DIMENSIONS	
		Length	Width
MCX-82	All-Channel	31.5	70"
MCX-13	VHF-TV	19.5	70"



Model MCX-82

COLOR GUARD™

VHF-TV/FM ANTENNAS

Broadband Antennas—Excellent Color TV Reception at an Economy Price.

COLOR GUARD, MODEL C-13

This compact 300-ohm antenna brings in clear, crisp Color TV in metropolitan and suburban areas. Average Gain 4 dB (lo), 5.5 dB (hi), 4 dB (FM). Maximum length 26½ inches, width 96 inches.

KIT C-13K

Complete 300-ohm Color Guard Kit consisting of a C-13 Antenna, 799 Tri-Mount, fifty feet of twinlead, and hardware.

COLOR GUARD, COLORAXIAL MODEL CAX-16

This is a 75-ohm version of Model C-13 and has same gain and mechanical specifications. Requires no matching transformer.

KIT CAX-16K

Complete 75-ohm Color Guard Kit consisting of a CAX-16 Antenna, CAB-50 Coloraxial Cable, five foot mast and mount.

COLOR GUARD, MODEL C-14

This 300-ohm antenna offers top-notch performance at low cost. Designed for suburban reception it provides a uniform flat response. Average Gain 5 dB (lo), 6.5 dB (hi), 4 dB (FM). Maximum length 44½ inches, width 108 inches.

COLOR GUARD, COLORAXIAL MODEL CAX-17

This is a 75-ohm version of Model C-14 and has the same gain and mechanical specifications.

COLOR GUARD, MODEL C-15

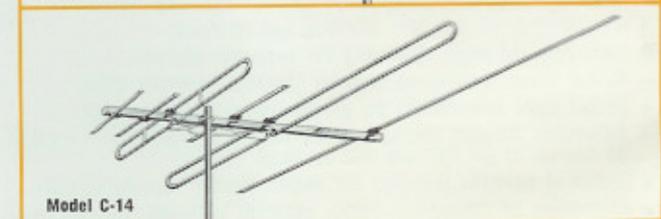
This 300-ohm antenna is designed for semi-fringe area reception at a minimum cost. Nothing has been sacrificed in performance or construction. Average Gain 5.5 dB (lo), 8.5 dB (hi), 4 dB (FM). Maximum length 71½ inches, width 108 inches.

COLOR GUARD, COLORAXIAL MODEL CAX-18

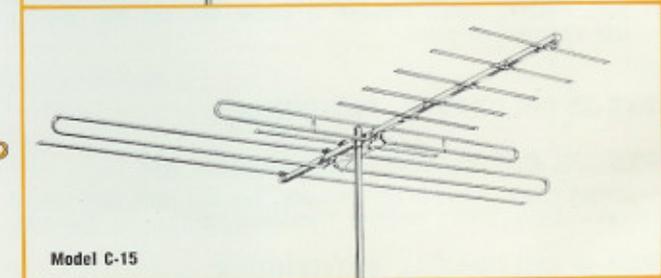
75-ohm version for Model C-15. Same gain and mechanical specifications. Requires no matching transformer.



Model C-13



Model C-14



Model C-15

NEW LOOK OF POWER!

PARALOG Plus™

VHF-FM 75-OHM ANTENNAS

With the introduction of the original Paralog series, Jerrold set new standards for the TV industry, making the familiar yagi almost obsolete. Now, we're proud to present another advance—PARALOG-PLUS.

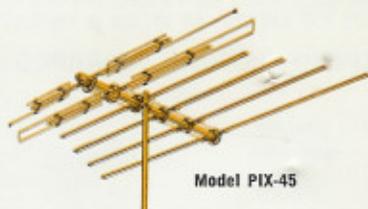
This new series of high performance antennas provides strong, clean signals for consistently excellent color TV pictures, and FM stereo reception. All Paralog-Plus models have 75-ohm outputs for match to

Coloraxial downlead. Paralog-Plus benefits are derived from an innovation in the antenna field, the exclusive BI MODAL director system. BI MODAL directors enable Jerrold to achieve better antenna performance with a more compact parasitic array. Thus all models are shorter, easier to install, and offer less wind loading than ordinary antennas of comparable gain.

FEATURES

- 1 **PLUS GAIN**—Color carriers are detected in phase. Therefore, more directivity is needed for good color reception than for black and white. The extra high gain of the Paralog-Plus provides sharp directivity, producing excellent color pictures.
- 2 **PLUS FLATNESS**—The color information occupies a 1.4 MHz bandwidth and requires phase detection. Thus, any tilt in the frequency response of the antenna can cause phase delays, resulting in incorrect colors on the TV screen.
Old fashioned yagis are tilted by as much as 6 to 8 dB within a single channel. Technicians sometimes try to tilt the response of the color receiver to compensate for the antenna tilt, but it's almost impossible to make all colors true this way. Industry experts say that a flatness of ± 2 dB per TV channel is required for good color reception. But the Paralog-Plus is flat within ± 1 dB per channel.
- 3 **PLUS MATCH**—A poorly matched antenna, such as a conical, shifts the phase of incoming signals, distorting color. The excellent match of the Paralog-Plus prevents color distorting phase shifts.

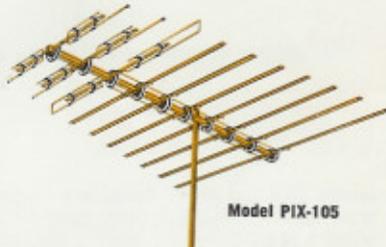
Model PIX-35



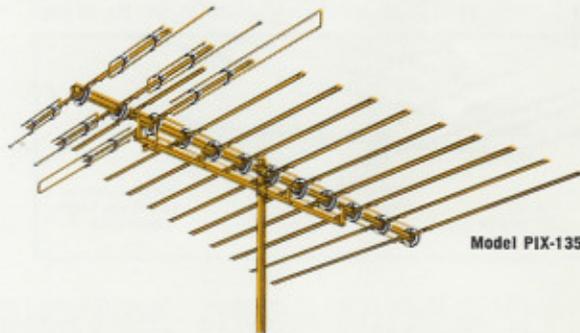
Model PIX-45



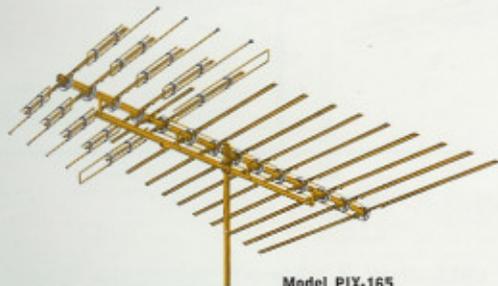
Model PIX-75



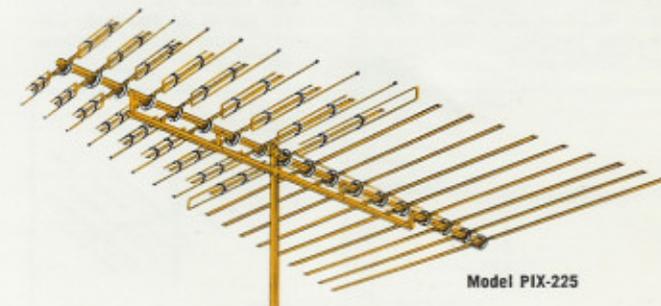
Model PIX-105



Model PIX-135



Model PIX-165



Model PIX-225

PARALOG-PLUS MODEL	APPLICATION	MAX. DIMENSIONS (inches)	
		Length	Width
PIX-35	Metropolitan	33	102
PIX-45	Metro. to Suburban	56	102
PIX-75	Suburban	84.5	102
PIX-105	Suburban to Fringe	109.5	102
PIX-135	Fringe	130.5	102
PIX-165	Deep Fringe	153	102
PIX-225	Deepest Fringe	199.5	102

PARAPRO™

UHF ANTENNAS, 300/75 OHMS ... Channels 14 through 83

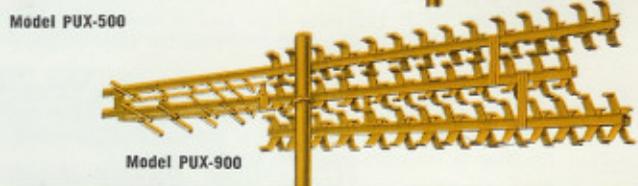
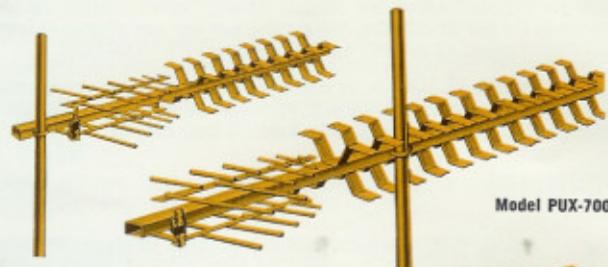
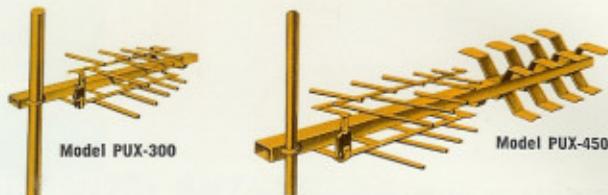
Jerrold Parapro Antennas are high gain, broadband periodic type antennas designed specifically to meet the needs of color TV in the UHF band. Since the color carrier is more critical than picture and sound carriers, unusually flat gain characteristics are required across each channel. The Parapro's high front-to-back ratio and low side lobe levels eliminate ghost problems which cannot be tolerated on color reception. Five models are available, each with both 300 and 75-ohm Coloraxial outputs.

Parapros are ideal add-ons to existing VHF antennas. They are easily and inexpensively combined by a short length of twinlead between the VHF antenna and the Parapro. The output of the Parapro then includes both VHF and UHF. No splitter is required.

SPECIFICATIONS—PARAPRO ANTENNAS

PARAPRO MODEL NO.	APPLICATION	MAX. DIMENSIONS (inches)	
		Length	Width
PUX-300	Local	22	12
PUX-450	Metropolitan	33.5	12
PUX-500	Suburban	45.5	12
PUX-700	Suburban	54	12
PUX-900	Fringe	64	12
1972T*	To Fringe	63.5	8

*Not designed for combining with existing VHF antennas.



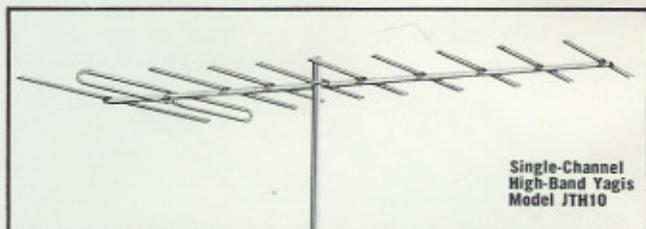
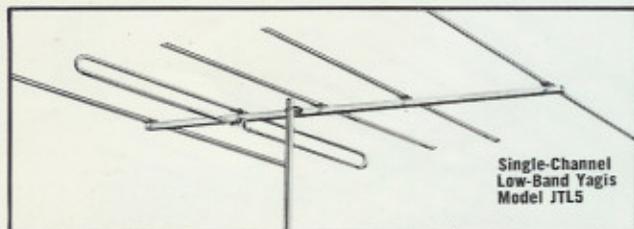
MODEL 1972T PARAPRO HIGH GAIN TRANSLATOR ANTENNA*

This antenna is specifically designed for difficult translator area reception, and features high gain (15 dB) across the entire translator band, UHF Channels 70 through 83.

VHF-TV SINGLE CHANNEL ANTENNAS, 300-OHM

Jerrold JTL5 and JTH10 Series are single-channel antennas for use in small Master Antenna Systems such as homes and multiple-dwellings, where a heavy duty installation is not required. The JTL5-Series Models are five-element antennas, one for each lo-band VHF Channel 2 through 6. The JTH10 Series Models are ten-element antennas for the hi-band

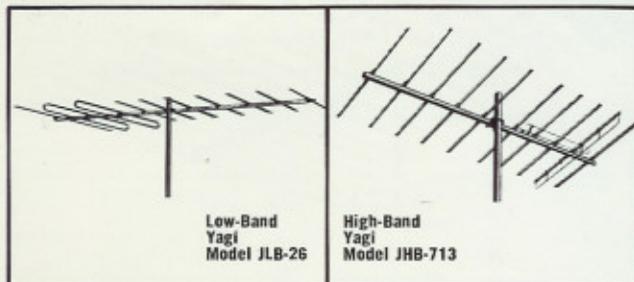
VHF Channels 7 through 13. JTL5 and JTH10 Models exhibit flat response across the channel and have excellent 300-ohm balanced impedance. Construction features square crossarms, positive-locking element brackets, and "Golden Armor" finish.



VHF-TV BROADBAND ANTENNAS, 300-OHM

Jerrold Model JLB-26 is a broadband ten-element yagi antenna, including two driven dipoles, covering the lo-band VHF Channels 2 through 6. Model JHB-713 is a broadband ten-element, bazooka-tuned yagi covering the hi-band VHF Channels 7 through 13. Both models are designed for small MATV systems where several channels are to be received. Construction features square crossarms, positive-locking element brackets, and "Golden Armor" finish. Impedance is 300 ohms.

STACKING LINES—Model SL-YSK-lo will stack any two JTL-Series low band yagis; Model SL-YSK-hi will stack any two high band yagis. Used when higher gain levels are required than a single antenna will provide. Approximately 2 to 3 dB of gain will be experienced with a 2-bay stack, over a single antenna.



SPECIFICATIONS—YAGI ANTENNAS

TYPE	MODEL NUMBER	NUMBER OF ELEMENTS	GAIN (dB)**
Cut-to-Channel			
Lo-Band (Ch. 2-6)	JTL5-*	5	7.5-8
Hi-Band (Ch. 7-13)	JTH10-*	10	10-11
Broadband			
Lo-Band	JLB-26	10	10.5
Hi-Band	JHB-713	10	10.5

IMPEDANCE (all models): 300 ohms

*Specify channel number.

**Relative to a tuned half-wave dipole.

NEW

VU FINDER™

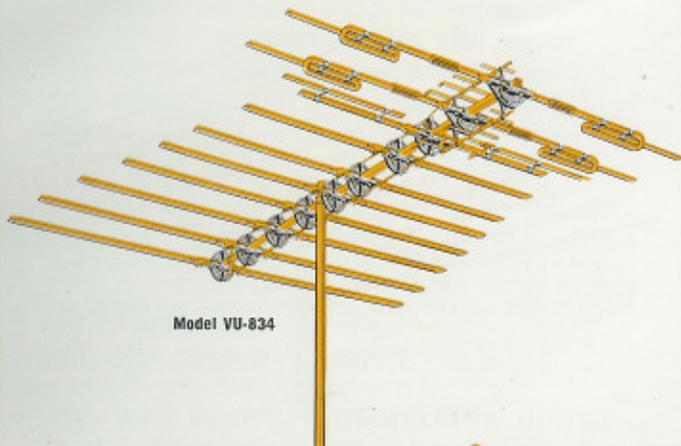
300-OHM ANTENNA MODELS

82-CHANNEL 300-OHM ANTENNAS

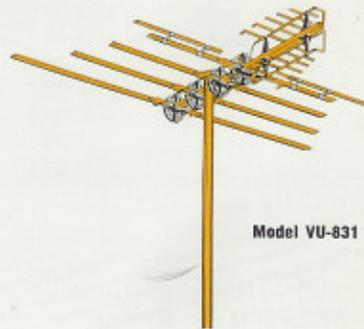
These high gain periodic type antennas are unusually flat across the entire TV and FM spectrum. They pick up strong, clear signals, even in difficult reception areas. And they can easily be converted to Coloraxial through the use of an 82-channel matching transformer. Each VUfinder is shipped complete with a Model FS-1314 Frequency Separator to split VHF from UHF for separate inputs to the TV set.

FEATURES

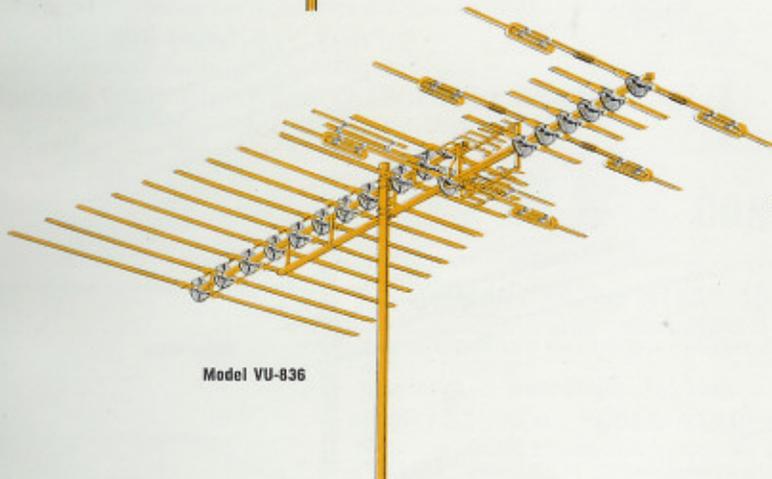
- High gain, excellent efficiency
- Excellent front-to-back ratio
- Flat response across entire TV-FM band
- Golden Armor Coating—of superior corrosion-resistant finish
- Cyclocac Insulators make each insulating mount a strong point



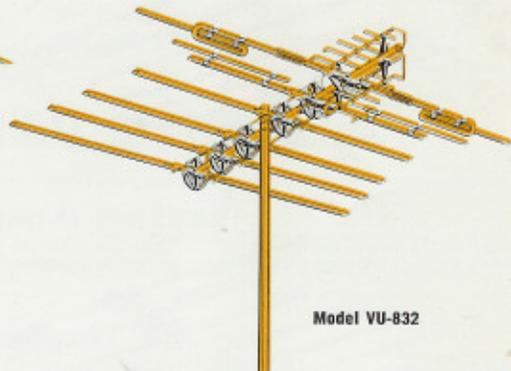
Model VU-834



Model VU-831



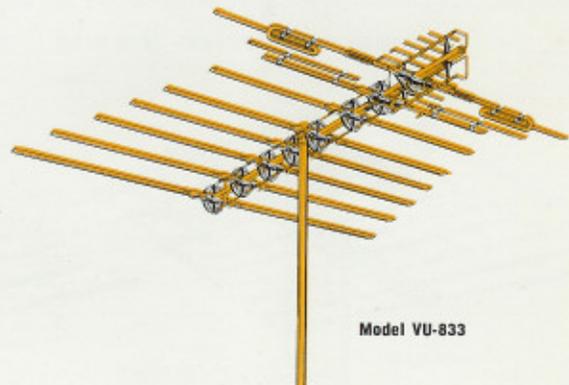
Model VU-836



Model VU-832

VUFINDER SPECIFICATIONS

VUFINDER MODEL NO.	APPLICATION	MAX. DIMENSIONS (Inches)	
		Length	Width
VU-831	Local	50	102
VU-832	Metropolitan	65.5	102
VU-833	Suburban	94	102
VU-834	Suburban to Fringe	109.5	102
VU-836	Deep Fringe	156	102



Model VU-833

NEW

COLORPEAK™

VHF 300-OHM ANTENNAS

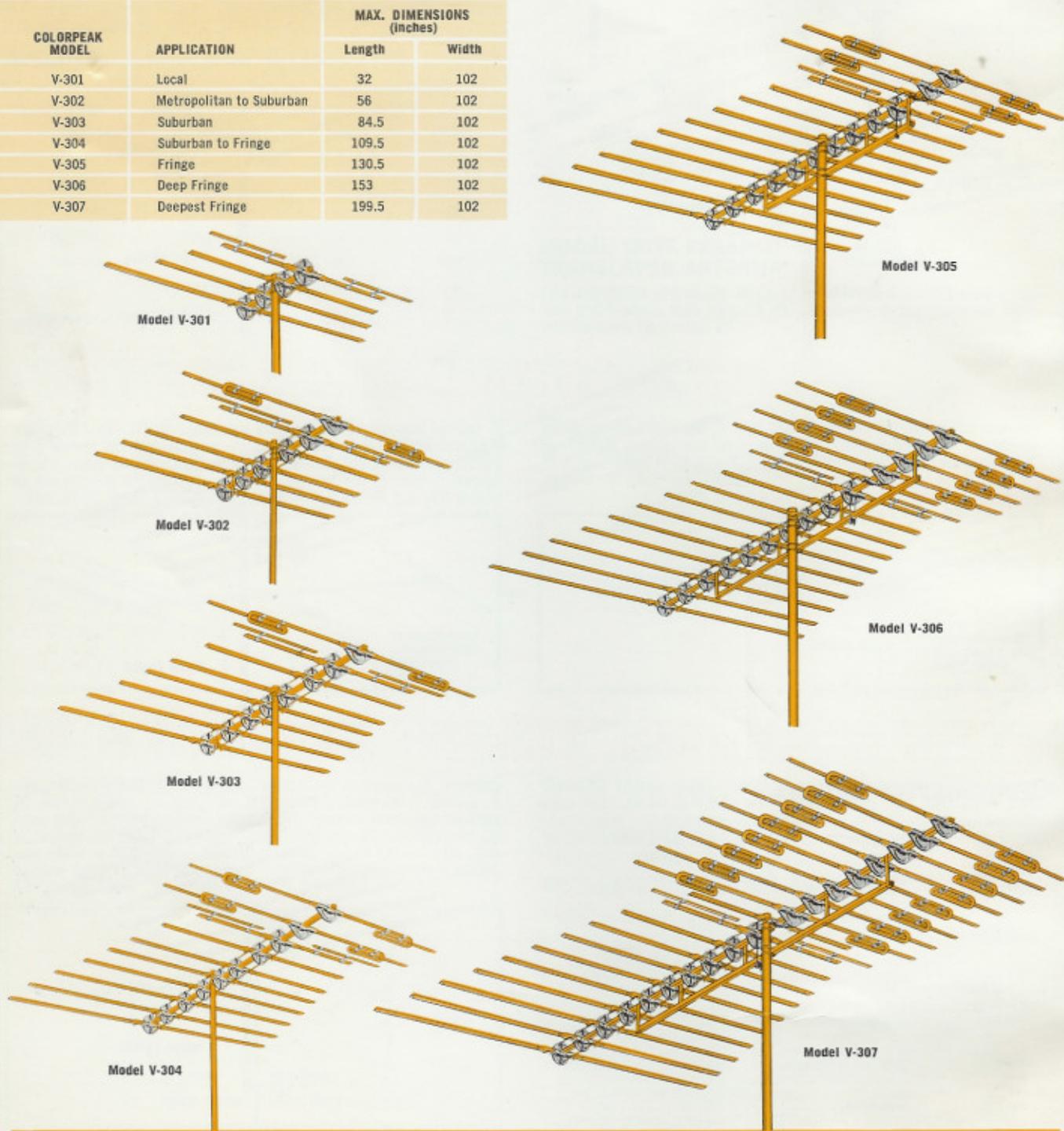
Jerrold's new Colorpeak Antennas are high gain periodic types similar to the VUfinder series, but for VHF-TV channels 2 through 13 and all FM stations. Features include unusually flat response across the full frequency range. Colorpeak Antennas provide strong, clear signals, even in difficult reception areas. Easily converted to Coloraxial through use of a VHF matching transformer.

SPECIFICATIONS—COLORPEAK ANTENNAS

COLORPEAK MODEL	APPLICATION	MAX. DIMENSIONS (inches)	
		Length	Width
V-301	Local	32	102
V-302	Metropolitan to Suburban	56	102
V-303	Suburban	84.5	102
V-304	Suburban to Fringe	109.5	102
V-305	Fringe	130.5	102
V-306	Deep Fringe	153	102
V-307	Deepest Fringe	199.5	102

FEATURES

- High gain, excellent efficiency
- Excellent front-to-back ratio
- Flat response across entire VHF-FM band
- Golden Armor Coating—of superior corrosion-resistant finish
- Cyclocac Insulators make each insulating mount a strong point.



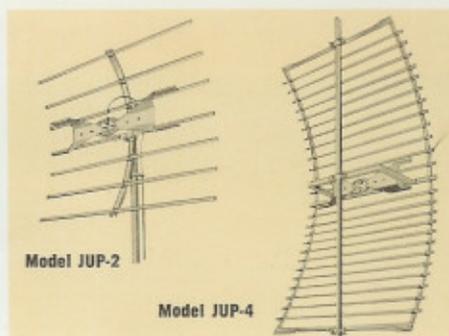
PARACYL™ 300-OHM UHF ANTENNAS

Jerrold's Paracyl is an all-band UHF antenna which combines a cylindrical parabolic reflector with a unique "Extended Resonance" dipole to produce an antenna with the characteristics of the efficient parabolic reflector and a wide-band, high gain antenna. The unique driver gives each Paralog model the ability to operate efficiently over the entire UHF television band—from 470 MHz of Channel 14 to 890 MHz of Channel 83. Five models are offered to cover every UHF-TV reception requirement, from local to super-fringe locations.

FEATURES

- Large vertical intercept area
- Tough Cylolac insulated dipole for strength
- "Golden Armor" protective coating
- Grounded antenna elements to prevent static-charge build-up corona interference
- Built-in strain relief for UHF lead-in

- MODEL JUP-1** For local to suburban reception.
MODEL JUP-2 For difficult local to suburban reception.
MODEL JUP-3 For suburban to medium fringe reception.
MODEL JUP-4 For difficult suburban to fringe reception.
MODEL JUP-5 For fringe to deep fringe reception.



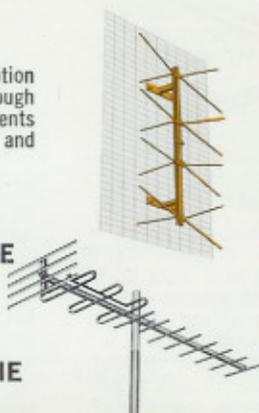
SPECIFICATIONS—PARACYL ANTENNAS

PARACYL MODEL NO.	APPLICATION	SIZE
JUP-1	Local & Metro.	18"Hx24"W
JUP-2	Suburban	36"Hx24"W
JUP-3	Sub. to Fringe	48"Hx30"W
JUP-4	Fringe	72"Hx36"W
JUP-5	Deepest Fringe	94"Hx48"W

UHF STACKED BOWTIES

Jerrold Bowtie type screen reflector antennas are designed for reception of the UHF frequency ranges for Channels 14 through 70, or 70 through 83. Models are available with either 4-bay vertically stacked elements or 8-bay horizontally stacked elements. Each features high gain and front-to-back ratio. Impedance is 300 ohms.

- MODEL 3044 FOUR-BAY BOWTIE**
4-bay vertically stacked bowtie for Channels 14-70.
MODEL 3044T FOUR-BAY TRANSLATOR BOWTIE
4-bay vertically stacked bowtie for translator Channels 70-83.
MODEL 3088 EIGHT-BAY BOWTIE
8-bay horizontally stacked bowtie for Channels 14-70.
MODEL 3088T EIGHT-BAY TRANSLATOR BOWTIE
8-bay horizontally stacked bowtie for translator Channels 70-83.



UHF YAGI ANTENNAS

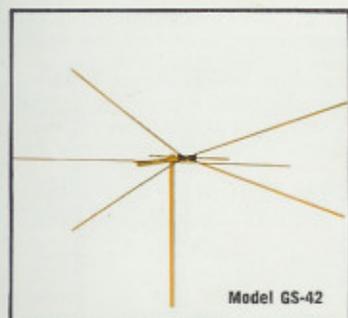
Twelve-element triple-driven yagis with four-element grid reflector for high front-to-back ratio. Electronically welded elements. For suburban to fringe reception.

- MODEL 3025-(14-46)**
Covers Channels 14 to 46.
MODEL 3025-(16-73)
Covers Channels 16 to 73.
MODEL 3025T
Covers translator Channels 70 to 83.



GOLD STAR™

CONICAL ANTENNAS



SIX-ELEMENT "GOLD STAR" CONICAL ANTENNA

An economy-priced antenna made according to Jerrold's high construction standards. Especially suitable for large metropolitan areas. Will give excellent continuous reception on all VHF-TV and FM stations under all weather conditions.

Model GS-42 Model GS-42S—Two Stack.

EIGHT-ELEMENT "GOLD STAR" CONICAL ANTENNA

An economy-priced antenna that incorporates all the features and quality construction of the Model GS-42 "Gold Star" antenna, plus improved reception on the high band (Channel 7-13).

Model GS-62 Model GS-62S—Two Stack.

DOUBLE-X CONICAL "GOLD STAR" ANTENNA

This popular ten-element conical antenna has high gain across the entire VHF-TV and FM bands, plus quality construction at an economy price.

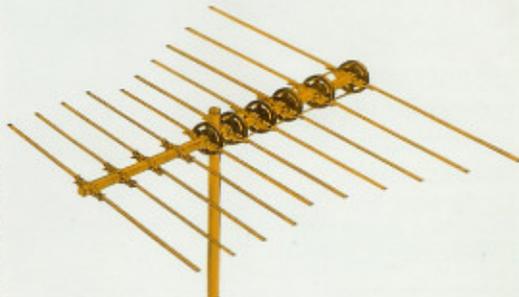
Model GS-44 Model GS-44S—Two Stack. Model SL-GS—Gold Star Stacking Harness.

DIRECTIONAL FM ANTENNAS

PARALOG™ FM ANTENNAS

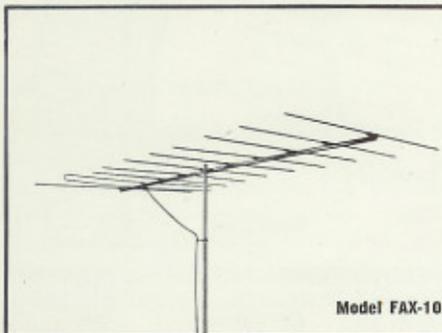
The ultimate in FM antennas with all the features of the Paralog line but especially designed for the FM band of frequencies. For the discriminating user who wants and needs the best in FM reception. Paralog FM antennas have extremely high front-to-back ratios and negligible minor lobes for the elimination of co-channel interference. Their low VSWR provides the freedom from standing waves so necessary to prevent "suck-outs" on particular stations and reflection losses in the antenna system. The exceptionally high gain (up to a realistic 11.6 dB on the FMP-16) delivers signals that let the tuner do its best producing hiss-free, full FM reproduction. Flat response assures good reception on all channels—no peaking at mid-band.

The high-gain and narrow forward lobe provide the best possible results for the elimination of multi-path problems—the bugaboo of stereo reception. For full channel separation and life-like stereo, Paralog FM antennas are unsurpassed.



- FMP-8** For Fringe Areas
FMP-10 For Deep Fringe Areas
FMP-16 For the Toughest Reception Areas

FM YAGI ANTENNAS



Model FAX-10

- High gain, high front-to-back ratio
- Minimize multipath distortion
- Rugged square boom construction
- Special "Golden Armor" finish

FAX-5 COLORAXIAL FM YAGI

Five-element FM Yagi with 75-ohm coaxial output. Flat response and gain of 6 dB across entire FM band.

FAX-5K COLORAXIAL FM YAGI KIT

Comprises FAX-5 Antenna, 799 Tri-Mount, four foot mast, fifty feet of Coloraxial Cable, T-378 Matching Transformer, and hardware.

FM-5 FM YAGI

300-ohm version of Model FAX-5. Same gain and mechanical specifications.

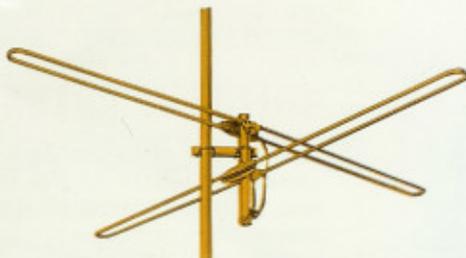
FAX-10 COLORAXIAL FM YAGI

Ten-element FM Yagi with 75-ohm coaxial output. Flat response and gain of 9 dB across entire FM band.

FM-10 FM YAGI

300-ohm version of Model FAX-10. Same gain and mechanical specifications.

FM OMNI-DIRECTIONAL ANTENNAS



TURNSTILE ANTENNA, MODEL C677M

A "tried-and-true" favorite of metropolitan FM enthusiasts. Brings in FM stereo and monaural signals equally well from all directions over a full 360 degrees. An excellent choice for the FM listener living up to 35 miles away from FM stations. Can be installed in minutes—comes completely pre-assembled with elements which swing up and snap into place. Swaged mast section permits quick, simple mounting into 1 1/4" mast, or can be attached with a side-arm mount (included) to an existing TV mast without disturbing the TV antenna. Armored with a gold permanized finish to prevent corrosion and insure long, maintenance-free life.



S-TYPE ANTENNA, MODEL G626-A ("The Lark")

An economical antenna famous for quality reception. The "S" configuration of the dipole makes it sensitive to FM signals coming in from every direction up to 25 miles away. Gold Permanized finish means longer life.

MODEL G626-AK

Kit contains Model G626-A Gold Permanized "Lark" antenna, 50 ft. of lead-in, 1 snap-on standoff and 3 screw-eye standoff insulators. Installs in minutes to an existing TV antenna mast, or can be quickly mounted to a beam in an attic for an uncluttered roof line.

MODEL C677MK

Kit contains the Model C677F Gold Permanized turnstile plus complete mounting equipment and easy-to-follow installation instructions. Mounting equipment includes a gold permanized 1 1/4" x 5' aluminum mast, base mount, 50 ft. of lead-in, a guy anchor, mast standoffs, wood screw type insulated standoffs, and guy wire with hooks.

NEW 82-CHANNEL INDOOR ANTENNAS, 300-OHM

... engineered for color TV

Jerrold's new JIN-Series antennas are designed to provide excellent indoor reception of all 82 VHF-TV and UHF-TV channels, plus FM and FM stereo. These attractively styled top-of-the-set antennas are engineered to deliver more brilliant, lifelike color pictures—excellent for black-and-white, too. Separate 300-ohm outputs for UHF and VHF terminals on the TV set. Twelve position selector switch provides optimum tuning on JIN-3 and JIN-4 models.

MODEL JIN-3

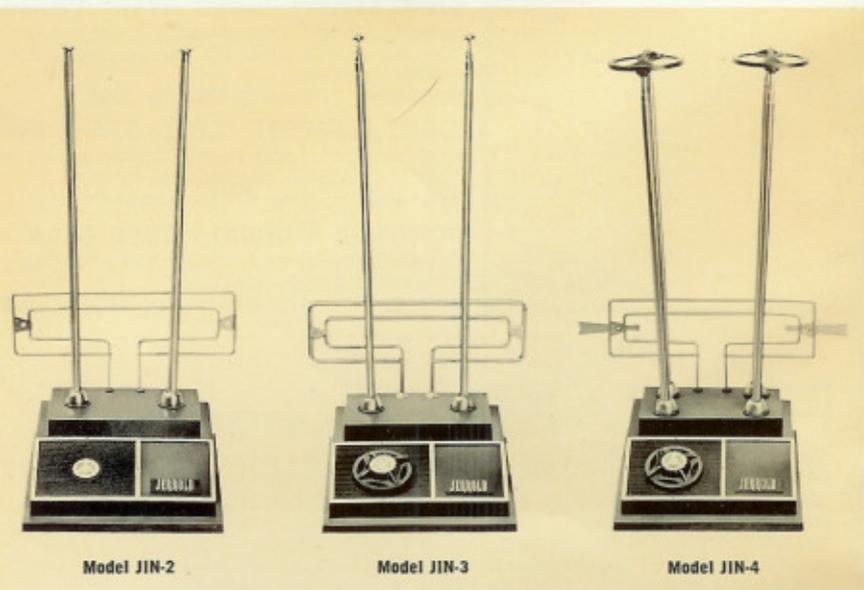
High quality reception—equipped with 12-position switch selector tuning. VHF section uses twin single telescoping dipoles; UHF section uses a double UHF loop.

MODEL JIN-2

Same as Model JIN-3 except does not have selector tuning.

MODEL JIN-4

For the finest indoor color reception. Provides an additional 2 dB gain. VHF section uses twin double (folded) telescoping dipoles; UHF section uses a double UHF loop with added tuning fins.



Model JIN-2

Model JIN-3

Model JIN-4

ANTENNA INSTALLATION HARDWARE

Jerrold provides the installer with a complete selection of antenna mounting hardware to make any installation easier. Included is a wide

variety of standoff types for both twinlead and coloraxial cable; guying accessories; antenna mounts for roof, wall, peak or chimney installation; antenna masts; and grounding components. For descriptions, model numbers and ordering information, consult the price list.

JERROLD

RECEPTION AIDS

Jerrold television reception products are the most highly respected antenna accessory components available to the installer . . . and includes models for both home and master antenna systems.

Jerrold has the exact accessories to make your most difficult installation simpler, and to provide the customer with the best possible signal reception for the area and conditions.

SOLID-STATE PREAMPLIFIERS

Jerrold "Powermate" and "De-Snow" Models are antenna-signal preamplifiers which provide exceptional high gain and low noise figures for snow-free television and distortion-free FM radio. Insures "Color-Perfect" pictures at all frequencies.

Mounted at the antenna, these units take full advantage of extremely weak signals by overcoming noise pick-up and antenna down-lead losses. Specific models amplify VHF, FM, UHF, and All-Channel signals—300-ohm, or 75-ohm coloraxial impedances—for home reception and master antenna system applications. There is a Jerrold preamplifier model to meet the conditions of each signal reception area.

POWERMATE SOLID-STATE QUALITY

"Powermate" is the most respected name in home TV-FM preamplifiers . . . and with much justification. The first Powermate transistorized model was introduced in 1961. It was an immediate success story, for the advanced solid-state engineering that created the line was demon-

strated in high-gain/low-noise performance, then badly needed for reception of the few VHF channels on-the-air. The line expanded—improved with the state-of-the-art—met the new UHF, then All-Channel requirements. The aspects which have not changed are the advanced engineering, performance-proved specifications, and long-life reliability. These qualities have become synonymous with the trade name "Powermate."

"De-Snow" Models are related to the Powermate Family and represent the top-of-the-line in performance. They are used extensively in master antenna systems and meet the most stringent requirements of commercial and industrial applications.

Today's Powermate Series includes models for 300-ohm twinlead and for the finest "Coloraxial" 75-ohm coaxial cable systems. Color-perfect or black-and-white reception, VHF, FM, UHF, All-Channel—broadband or single channel, there is a Powermate preamplifier designed to solve each reception problem. The table provided gives detailed specifications for the full line.

POWERMATE MODEL APM-106 SYSTEM VHF Broadband—300-Ohm

Jerrold Model APM-106 is a high-gain, 300-ohm "Powermate" preamplifier. Because it does not have the overload capability of Model SPM-106, the APM-106 is recommended for areas more than 15 miles from the nearest TV or FM transmitter. Excellent for reception in fringe areas. System consists of an APM-3 single-transistor, broadband preamplifier for VHF/FM, and a remote power supply, Model 106. Preamplifier uses a "Cyclocac" weatherproof housing with universal mounting bracket.

POWERMATE MODEL CPM-107 SYSTEM VHF Broadband—75-Ohm "Coloraxial"

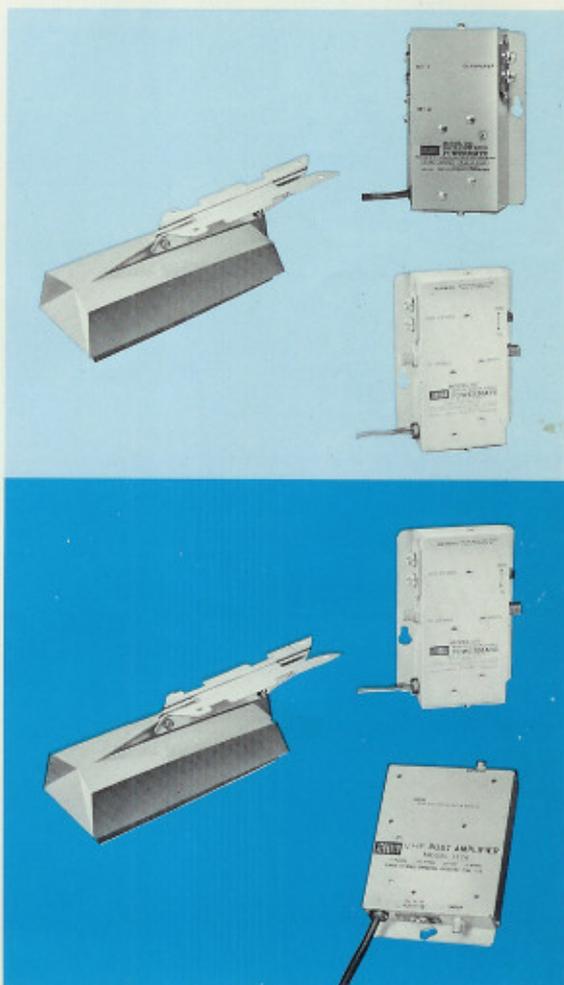
Jerrold "Powermate" CPM-107 is a new high-gain "Coloraxial" preamplifier model. Because of its limited overload capability, the CPM-107 is recommended for areas a minimum of 15 miles from the nearest TV or FM transmitter. This unit is ideal for coloraxial installations in fringe areas, and has both 75-ohm input and output. The system consists of a CPM-1 single-transistor, broadband preamplifier for VHF/FM, and a remote power supply, Model 107. Preamplifier uses a "Cyclocac" weatherproof housing with universal mounting bracket.

POWERMATE MODEL SPC-107 SYSTEM VHF Broadband—75-Ohm "Coloraxial"

"Powermate" Model SPC-107 is a 75-ohm "Coloraxial" preamplifier with high-gain/overload characteristics for pulling in signals from distant TV stations. Recommended especially for home antenna systems in problem signal areas. Provides reception free from distortions caused by strong local TV or FM stations. Uses coaxial down-lead to exclude spurious signals or noise sources (generators, auto ignition, etc.)—a must for quality color reception. System consists of a two-transistor, broadband preamplifier Model SPC-2, and a remote power supply Model 107. Preamplifier uses a "Cyclocac" weatherproof housing, and a universal mounting bracket. This is an improved weatherized version of Model SPC-103.

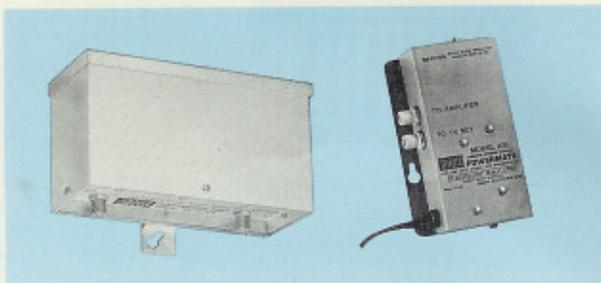
DE-SNOWER MODEL SPC-132A SYSTEM VHF Broadband—75-Ohm "Coloraxial"

"De-Snow" Model SPC-132A has the highest gain of all Jerrold preamplifiers and is designed for use in deep fringe areas. Unit solves critical reception problems for both home and MATV . . . and provides gain adequate for a small distribution system. The excellent overload capability prevents local TV or FM transmitters from affecting performance. Coaxial cable down-lead insures against interference from spurious signals. The input of the remote power supply section is back-matched to prevent picture ghosting or smearing due to mismatch. System consists of a broadband preamplifier Model SPC-2, and a three-transistor post amplifier/power supply Model 132A.



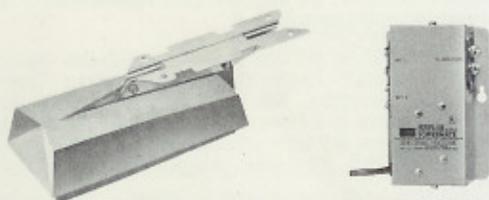
DE-SNOWER SYSTEMS, DSS-SERIES VHF Single-Channel—75-Ohm "Coloraxial"

The new "De-Snow" DSS-Series is Jerrold's highest gain line of single-channel preamplifier systems, Models DSS-2 through DSS-13 for VHF television channels, and Model DSS-FM for the full FM radio band. These systems are used with cut-to-channel antennas such as Jerrold JTL5- and JTH10-Series for home and small distribution systems, or with J55- and J105-Series Ruggedized Antennas for large MATV systems in fringe to extreme fringe locations. System consists of a single-channel preamplifier Model 801 and a remote power supply Model 105. The preamplifier is enclosed in a weatherproof aluminum housing which has a universal bracket for either mast or indoor mounting. When ordering, specify channel number or FM.



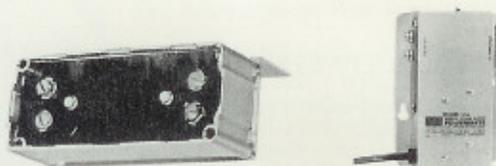
POWERMATE MODEL SPM-106 SYSTEM VHF Broadband—300-Ohm

Jerrold "Powermate" Model SPM-106 provides excellent gain/overload characteristics with exceptional output capability. Picks up fringe signals even though powerful local stations are located nearby. Cross-modulation and herringbone distortion are eliminated. Frequency response over the band is extremely flat, and the noise figure is excellent. System consists of an SPM-2 twin-transistor, broadband preamplifier for VHF/FM, and a remote power supply, Model 106. Preamplifier is contained in a weatherproof "Cyclac" housing, and uses a universal mounting bracket.



POWERMATE MODEL ULP-104 SYSTEM UHF Broadband—300-Ohm

"Powermate Special" Model ULP-104 is a UHF preamplifier used in fringe areas to provide improved UHF signals for better viewing. Enough gain to bring poor signals out of the "snow" in fringe areas. Serves one TV set or one UHF converter. System consists of a ULP-1 single-transistor, broadband preamplifier for the UHF band, and a remote power supply, Model 104. Unit mounts to mast or screen of UHF antenna. Shipped complete with all necessary mounting hardware.



POWERMATE MODEL UPC-105 SYSTEM UHF Broadband—75-Ohm "Coloraxial"

Jerrold UHF "Powermate" Model UPC-105 is a high-gain "Coloraxial" 75-ohm preamplifier which provides excellent signal reception in fringe and deep-fringe locations. Serves the UHF portion of one all-channel television set or one UHF converter for channels 14 through 83. Uses Coloraxial 75-ohm coaxial cable for the down-lead to prevent interference by spurious signals or noise sources—a must for color-perfect UHF pictures. Antenna inputs are provided for both 300-ohm twinlead and 75-ohm coax. System consists of a UPC-1 two-transistor, broadband preamplifier for the UHF band, and a remote power supply, Model 105. Preamplifier unit mounts to mast or screen of antenna.



POWERMATE MODEL UPM-104 SYSTEM UHF Broadband—300-Ohm

Jerrold UHF "Powermate" Model UPM-104 is a high-gain preamplifier providing excellent signal reception in fringe and deep-fringe locations. Serves the UHF portion of one all-channel television set or one UHF converter for channels 14 through 83. System consists of a UPM-1 twin-transistor, broadband preamplifier for the UHF band. Unit mounts to mast or screen of UHF antenna. The remote power supply, Model 104, may be mounted up to 100 feet away. Shipped complete with all necessary mounting hardware.



POWERMATE MODEL LPM-102 SYSTEM VHF Broadband—300-Ohm

"Powermate Special" Model LPM-102 is a high-gain preamplifier designed to provide the extra signal strength for clear TV pictures and noise-free FM in areas where overloading poses no problem. The unit will serve one or two television sets, or one TV set and one FM receiver. System consists of an LPM-1 single-transistor, broadband preamplifier for VHF/FM, and a remote power supply, Model 102. The unit has a universal mounting bracket and is shipped complete with all hardware necessary for any type of mounting.



POWERMATE REMOTE POWER SUPPLIES

The "Powermate" remote power supply or post amplifier/power supply is to be indoor-mounted at any easily accessible location. The power unit provides low-voltage ac power to the preamplifier and acts as a feed-thru for the amplified signal to the receiver. A single cable carries the ac voltage up to the preamplifier, and the amplified signal down to the power supply.

SPECIFICATIONS—POWERMATE PREAMPLIFIERS

MODELS	BROADBAND—300 OHMS					BROADBAND—75 OHMS				SINGLE CHANNEL
	VHF			UHF		VHF			UHF	VHF
	LPM-102	APM-106 (102) ¹	SPM-106 (102) ¹	ULP-104	UPM-104	CPM-107	SPC-107 (103) ¹	SPC-132A (132) ¹	UPC-105	DSS- ⁴
Frequency Range (MHz)	54-108 174-216	54-108 174-216	54-88 174-216	470-890	470-890	54-108 174-216	54-88 174-216	54-88 174-216	470-890	TV: 6 MHz FM: 88-108
Gain TV (dB)	11.5	18.7 (lo) 12.5 (hi)	16.9 (lo) 13.2 (hi)	4.7	13.7	18.5 (lo) 12.0 (hi)	16.0 (lo) 13.5 (hi)	25.2 (lo) 29.6 (hi)	13.7	30.0
Gain FM (dB)	10.0	14.0	NA	NA	NA	16.5	NA	NA	NA	30.0
Frequency Response (dB)	0.5/ch ²	0.7/ch ²	1.5 P/V	0.5/ch ²	0.5/ch ²	1.0/ch ²	1.5 P/V	1.0/ch ²	0.5/ch ²	1.0/ch ²
Noise Figure (dB)	5.5 (lo) 7.5 (hi)	4.2 (lo) 5.7 (hi)	5.3 (lo) 7.5 (hi)	13.0	12.0	3.9 (lo) 5.1 (hi)	5.3 (lo) 7.5 (hi)	5.8 (lo) 7.9 (hi)	12.0	4.3 (lo) 5.4 (hi)
Maximum Input (uV) 7 channels unless otherwise noted.	20,000 (lo) 14,000 (hi)	7,300	80,000 (lo) 52,000 (hi)	20,000	7,500 ³	8,000	80,000 (lo) 52,000 (hi)	34,000 (lo) 9,600 (hi)	3,750 ^{3, 5}	20,000 (lo) 25,000 (hi)
Input Impedance	300	300	300	300	300	75	300	300	300-75	75
Output Impedance	300	300	300	300	300	300-75	300-75	75	75	75
Down Lead Impedance	300	300	300	300	300	75	75	75	75	75
Power Supply, Model Number	102	106	106	104	104	107	107	132A ¹	105	105
Power Consumption (watts)	3	5	5	3	3	5	5	5	5	5

NA—Not applicable.

¹Specify TV channel number or FM.

1. Post Amplifier Model 132A contains power supply. 2. Maximum tilt across any channel. 3. For two channels in. 4. () Previous model number. 5. 75-ohm; for 300-ohm multiply by 2.

POWERMATE SELECTION CHART

PREAMPLIFIER MODEL NUMBER	APPLICATION	REQUIREMENT	
		Location	Condition
300-ohm Broadband Models			
LPM-102	VHF-TV and FM	FRINGE—semi-weak signals from desired TV or FM stations	MODERATE INTERFERENCE—from local TV/FM transmitters
APM-106	VHF-TV and FM	EXTREME FRINGE—very weak signals from desired TV or FM stations	MODERATE INTERFERENCE—no TV/FM transmitters within 15 miles
SPM-106	VHF-TV	DEEP FRINGE—weak signals from desired TV or FM stations	STRONG INTERFERENCE—from local TV/FM transmitters
ULP-104	UHF-TV	FRINGE—semi-weak signals from desired UHF-TV stations	MODERATE INTERFERENCE—no TV/FM transmitters within 10 miles
UPM-104	UHF-TV	DEEP FRINGE—weak signals from desired UHF-TV stations	MODERATE INTERFERENCE—no TV/FM transmitters within 10 miles
75-ohm Broadband Models			
CPM-107	VHF-TV and FM	EXTREME FRINGE—very weak signals from desired TV or FM stations	NEGLIGIBLE INTERFERENCE—no TV/FM transmitters within 15 miles
SPC-107	VHF-TV	DEEP FRINGE—weak signals from desired TV stations	STRONG INTERFERENCE—from local TV/FM transmitters
SPC-132A	VHF-TV	DEEP FRINGE—very weak signals from desired TV stations	MODERATE INTERFERENCE—from local TV/FM transmitters
UPC-105	UHF-TV	DEEP FRINGE—very weak signals from desired UHF-TV stations	MODERATE INTERFERENCE—no TV/FM transmitters within 10 miles
75-ohm Single Channel Model			
DSS- ⁴	VHF-TV and FM	EXTREME FRINGE—very weak signals from desired TV or FM stations	STRONG INTERFERENCE ¹ —from local TV/FM transmitters

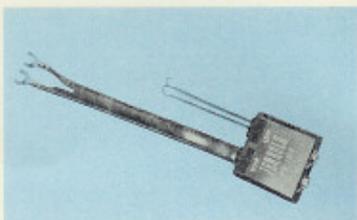
1. On-channel and adjacent channel interference rejection equal to Model APM-106; rejection of other types of interference is very good

SPLITTER / MIXERS

ALL-CHANNEL MODEL FS-1314

Jerrold Model FS-1314 is a new 300-ohm VHF/UHF splitter for connecting the down-lead of an all-channel antenna to the separate VHF and UHF terminals of the TV set. Unit consists of a dual-filter network with two separate twinlead outputs and screw terminals

for antenna lead connection. Frequency Range, 54 to 890 MHz. Maximum VSWR at VHF, 1.5:1; at UHF, 1.8:1. Insertion Loss at VHF, 1.0 dB; Cross-Band Isolation, 20.0 dB minimum. Insertion Loss at UHF, 0.5 dB; Cross-Band Isolation, 10.0 dB minimum.



SPECIFICATIONS—SPLITTERS/MIXERS

MODEL		VHF	ALL-CHANNEL	
		1425C	1460B	FS-1314
PASSBAND (MHZ)	Input:	54-216	54-890	54-890
	Outputs:	Lo-Band: 54-108 Hi-Band: 174-216	VHF: 54-216 UHF: 470-890	VHF: 54-216 UHF: 470-890
IMPEDANCE (ohms)		300	300	300
ISOLATION BETWEEN TERMINALS (dB)		Lo-Band: 10.0 min. Hi-Band: 12.0 min. Typical: 20.0	VHF: 20.0 min. UHF: 20.0 min.	VHF: 20.0 min. UHF: 10.0 min.
MAXIMUM INSERTION LOSS (dB)		0.75 (VSWR 1.6:1)	VHF: 0.5 (VSWR 1.5:1) UHF: 1.0 (VSWR 1.8:1)	VHF: 1.0 UHF: 0.5

VHF MODEL 1425C

Model 1425C is a VHF Splitter/Mixer for separating or combining high-band and low-band VHF-TV signals. Input and output impedance is 75 ohms. Units are designed for indoor or outdoor mast mounting, and enclosed in a weatherproof housing.



ALL-CHANNEL MODEL 1460B

Model 1460B is an All-Channel Splitter/Mixer for separating or combining VHF and UHF signals. Input and output impedance is 300 ohms. Designed for indoor or outdoor mounting. Unit is used to combine the signals from separate VHF and UHF antennas to a single down-lead. Circuit is a highly efficient low-loss crossover network with separate VHF and UHF passband circuits for high isolation.



COLORAXIAL SHIELDED CABLE

Jerrold supplies high quality coaxial cable for use with "Coloraxial" antennas, such as Jerrold Paralog-Plus, Pathfinder, and Parapro Models. Additionally, any VHF antenna using 300-ohm twinlead can be converted simply and economically to a modern 75-ohm coaxial cable system. All that is needed is a Jerrold CAT-2 Coloraxial Conversion Kit which provides 75/300-ohm matching transformers for both antenna and TV set, and the appropriate Coloraxial Cable Kit. Coaxial cable insures the finest possible reception for color, FM stereo, and black-and-white, by preventing spurious signals or noise sources from affecting signal purity.

UHF/VHF COLORAXIAL CABLE, MODEL CAC

Jerrold "Coloraxial" all-channel "CAC" coaxial cable is manufactured and sweep-tested for distribution systems carrying both UHF and VHF. Ideal for homes, TV shops, appliance and department stores.

CAC cable loss is about half that of ordinary RG-59/U coax, and less than twinlead. Loss is an important factor for UHF because cable losses increase significantly at higher frequencies (see cable loss chart).

Available in kit form with coaxial connectors installed. CAC-50—50-foot length. CAC-75—75-foot length. CAC-100—100-foot length. Also available in spools. CAC-500—500-foot spool. AC-1000—1000-foot spool.



VHF/FM COAXIAL CABLE, MODEL CAB

Jerrold "Coloraxial" coaxial cable is designed for VHF-only systems and is supplied in kit form with coaxial fittings already installed. CAB-50—50-foot length. CAB-75—75-foot length.

COAXIAL CABLE LOSS (PER 100 FEET)

MODEL NUMBER	VHF CHANNELS (loss—dB)							UHF CH. (loss—dB)		
	2	4	6	FM	7	10	13	14	47	83
CAB* (RG-59/U)	2.8	3.2	3.6	4.0	5.3	5.6	5.9	9.3	11.8	13.0
CAC**	1.77	1.96	2.2	2.45	3.3	3.5	3.6	5.7	6.9	8.2

*UHF attenuation figures are calculated values.

**UHF attenuation figures are specified maximum values. Jerrold CAC 82-channel coaxial cable is controlled in manufacture to insure the absence of discontinuities from 54 to 890 MHz.

MULTI-SET COUPLERS, PASSIVE

MODEL MF-2 VHF/FM 2-SET COUPLER

For connecting two TV and/or FM sets to single antenna. Impedance 300 ohms. Efficient transformer design. Positive match. Low loss—less than 5 dB. Isolation at least 9 dB.

MODEL MF-4 VHF/FM 4-SET COUPLER

For connecting three or four TV/FM sets to a single antenna. Impedance 300 ohms. Efficient transformer design. Positive match. Low loss—less than 9 dB. Isolation at least 15 dB.

ANTENNA SWITCHES, ATTENUATORS

2-POSITION SWITCH, MODEL 823

Jerrold-Taco Switch, Model 823, is a "positive action" 2-position slide switch which provides a selection between two antennas feeding a single set, or a single antenna serving two TV or FM receivers. Impedance 300 ohms.



3-POSITION SWITCH, MODEL 873

Jerrold-Taco Switch, Model 873, is a low-loss antenna switch for selecting among three separate antennas or three separate TV or FM receivers. Switch is positioned through a smooth lever action.



ANTENNA ATTENUATOR, MODEL 835

A Jerrold-Taco three-position attenuator switch, adjustable to 0-15-30 dB attenuation settings. Designed for locations where signal overloading is a problem. Packaged in individual boxes, ten per carton.



VHF COLORAXIAL CONVERSION KIT, MODEL CAT-2

With this kit, you can easily convert any existing antenna to Coloraxial. Kit consists of one T0-374A mast-mounting matching transformer for any 300-ohm antenna, and one T-378 set-mounting matching transformer. Complete with bracket and mounting strap for the outdoor transformer.



MODEL UV-2 ALL-CHANNEL 2-SET COUPLER

For connecting two TV/FM sets to a single all-channel antenna. Impedance 300 ohms. Handles both VHF and UHF. Resistive hybrid circuit provides excellent isolation. Low loss—less than 6.5 dB. Isolation at least 20 dB, 12 dB UHF.



MULTI-SET COUPLERS, PASSIVE

MODEL TX-MS VHF/FM MIXER

For mixing two TV or FM antennas into single 300-ohm twinlead. Also excellent for connecting two sets to a single antenna. Very low loss—less than 4.5 dB. Isolation at least 18 dB.

MODEL M-2A ECONOMY VHF/FM 2-SET COUPLER

For connecting two TV and/or FM sets to single antenna. Impedance 300 ohms. Hybrid resistive circuit. Loss is less than 6.5 dB. High isolation—at least 30 dB between sets.

MODEL UF-2 UHF 2-SET COUPLER

For connecting two UHF tuners to a single UHF antenna. Impedance 300 ohms. A low-loss device with good inter-set isolation. Low loss—less than 3.5 dB. Isolation at least 5.5 dB.



SPECIFICATION—MULTI-SET COUPLERS, PASSIVE

MODEL	ALL-CHANNEL	VHF/FM				UHF
	UV-2	TX-MS	MF-2	M-2A	MF-4	UF-2
TYPE	2-set	2-set	2-set	2-set	4-set	2-set
PASSBAND (MHz)	54-890	54-216	54-216	54-216	54-216	470-890
IMPEDANCE (ohms)	300	300	300	300	300	300
MAXIMUM INSERTION LOSS (dB)	6.5	4.5	5.0	6.5	9.0	3.5
ISOLATION (dB)	VHF: 20.0 UHF: 12.0	18.0	9.0	30.0	15.0	5.5

HOME DISTRIBUTION AMPLIFIERS

The Jerrold home TV distribution system amplifiers and amplified couplers shown are solid-state devices equalling the high quality and performance standards of Jerrold's Powermate products. New "Colorcaster" amplifiers are 75-ohm models for use with coaxial cable such as Jerrold "CAC" Cable. The use of this cable prevents spurious signals or noise sources from affecting picture quality—a must in many areas for color reception. Units provide high gain and overload capability to all outputs. Models are available for connecting 2 to 4 sets, 75 or 300

ohms, VHF, FM, UHF, or All-Channel (VHF/FM/UHF). Transistorized circuitry insures low power consumption, with no heat dissipation to worry about. Fully isolated ac power supply prevents shock hazards. Each model will greatly improve reception of weak, fringe-area signals without cross-modulation due to stronger local stations—no traps or stubs are necessary in most areas. Plastic cases are handsomely designed and present a flat, low silhouette.

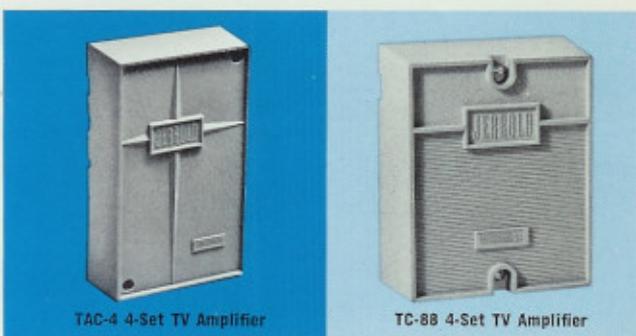
New TAC-4 "COLORCASTER" HOME TV SYSTEM AMPLIFIER ... Brings in All 82 Channels

The critical requirements of color reception, new all-channel TV sets, more families with two or more sets, portable TV, and FM radio receivers, all demand a home distribution system. No longer need your reception be restricted to one room and one wall. Your color console in the living room, the black-and-white set for the children in the family room, FM stereo any place you want it, and the new portable TV from room to room at your desire ... all possible with a TV distribution system.

Now ... Jerrold, leader in commercial distribution systems presents ... COLORCASTER, the first all-channel coloraxial distribution amplifier. Model TAC-4 handles all TV channels—VHF and UHF—as well as the full FM band. Because it is solid-state and used with coaxial cable, it is reliable and trouble-free. Compared to passive coupling devices which produce loss of 6 to 9 dB—Jerrold Model TAC-4 shows a net gain of 3 dB at each outlet, and an internal gain of 11 dB. Overload capability is excellent. The attractive case makes the unit suitable for mounting in any location.

New TC-88 VHF "COLORCASTER" HOME TV SYSTEM AMPLIFIER

Jerrold's new TC-88 home system amplifier covers the VHF-TV band (channels 2 through 13), and FM. Similar to the Colorcaster, the TC-88 is fully solid-state, uses a silicon transistor in an inverse feedback circuit, and a hybrid splitter with four outputs. Internal gain is 10 dB, with 3 dB at each of the 4 outputs. Overload capability is excellent. Model TC-88 is ideal for those areas where there are no UHF programs being broadcast.



SPECIFICATIONS— HOME SYSTEM AMPLIFIERS, MODELS TAC-4, TC-88

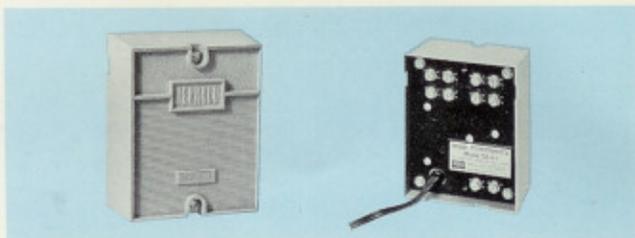
MODEL	ALL-CHANNEL	VHF/FM
	TAC-4	TC-88
FREQUENCY RANGE (MHz)	54-890	Lo-Band: 54-108 Hi-Band: 174-216
NUMBER OF OUTPUTS	4	4
IMPEDANCE (ohms)	75	75
INPUT CAPABILITY (dBmV)	+18.5**	+29.0*
GAIN (dB)	Internal:	11.0
	4-set:	3.0
ISOLATION BETW. OUTPUTS (dB)	10.0	12.0
FLATNESS (dB)	0.5/ch	1.0 P/V
DIMENSIONS	4 1/8" x 7 1/4" x 2"	3 1/4" x 4 1/2" x 2"

*Each of seven channels.
**Each of twelve channels.

TV/FM AMPLIFIED COUPLERS

POWERMATE INDOOR 4-SET COUPLER, MODEL TA-24

Model TA-24 Amplified Coupler uses a special transistor in the electronic circuit to provide sufficient gain (2.2 dB average at low-band, 3.6 dB average at high-band) to adequately supply each of four TV sets from a single antenna. Gain with less than four sets is higher. Provides excellent amplification of both VHF-TV and FM channels. The unit is housed in an attractive case for mounting to any flat surface.



POWERMATE SPECIAL—2-SET COUPLER, MODEL TA-12

Model TA-12 is an indoor 2-set coupler which provides sufficient gain (12.0 dB average at low-band, 9.0 dB average at high-band) to more than adequately supply each of two sets from a single antenna. Fully transistorized, the unit covers the VHF-TV channels 2 through 13, and the FM band. Coupler mounts to any flat surface.



SUPER POWERMATE INDOOR 4-SET COUPLER, MODEL TA-66

Model TA-66 is a solid-state 4-set VHF-TV Amplified Coupler. This 2-transistor unit provides 7.5 dB gain at low-band channels 2 through 6, and 6.3 dB gain at high-band channels 7 through 13, to adequately supply each of four TV sets. When fewer sets are used, gain is increased. Noise figure is 5.2 dB over the low-band; 8.3 dB over the high-band. Unit is attractively housed in a plastic case for wall mounting.

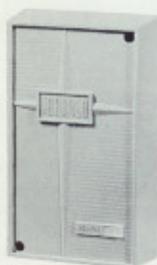


UHF AMPLIFIED COUPLERS

POWERMATE SPECIAL—2-SET COUPLER, MODEL TAU-12

Model TAU-12 is a solid-state UHF Amplified Coupler for use with two TV sets. The unit provides sufficient gain (2.7 dB average) to adequately supply each of two UHF tuners from a single UHF antenna.

Unit is suited for areas where adequate VHF signal is received off-the-air and only UHF requires amplification. Unit is housed in an attractive plastic case for wall mounting.



FM AMPLIFIED COUPLERS

MODEL SRX INDOOR FM POWERMATE STEREO RANGE EXTENDER

Model SRX is the indoor Powermate for the FM band. This transistorized amplifier provides excellent gain (15.5 dB average) across the entire FM band (88-108 MHz) and incorporates an input filter which splits FM from the TV bands to permit using a single broadband TV antenna for both TV and FM reception. The filter has a maximum loss of only 1 dB across the entire TV band except for channel 6 (82-88 MHz). Model SRX should not be used with a TV antenna for color reception on channel 6. The SRX performs exceptionally well with FM antennas (only one output is used). Two outputs are provided so that both an FM and a TV set may be connected to the amplifier in areas where TV channel 6 reception is not disturbed.



SPECIFICATIONS—MULTI-SET COUPLERS, AMPLIFIED

MODEL	VHF			UHF	FM	
	TA-24	TA-12	TA-66	TAU-12	SRX	
FREQUENCY RANGE (MHz)	54-88 174-216	54-88 174-216	54-88 174-216	470-890	88-108	
NUMBER OF OUTPUTS	4	2	4	2	2	
IMPEDANCE (ohms)	300	300	300	300	300	
INPUT CAPABILITY (µV)*	40,000 (lo) 17,000 (hi)	6,000	85,000 (lo) 50,000 (hi)	15,000*	28,000	
GAIN (dB)	Internal:	4.5 (lo) 7.0 (hi)	15.0 (lo) 12.0 (hi)	10.5 (lo) 9.5 (hi)	6.2	15.5
	2-set:	—	12.4 (lo) 9.3 (hi)	—	2.7	NA
	4-set:	2.2 (lo) 3.6 (hi)	NA	7.5 (lo) 6.3 (hi)	NA	NA
MIN. ISOLATION BETW. OUTPUTS (dB)	12.0	6.0 (lo) 10.0 (hi)	16.0	5.0	NA	
FLATNESS (dB)	3.0 P/V	1.0/ch	2.0 P/V	0.5/ch	3.0 P/V	
DIMENSIONS	3¼" x 4½" x 2"	3½" x 4½" x 2"	4½" x 7¼" x 2"	4½" x 7¼" x 2"	4½" x 7¼" x 2"	

*Each of two channels.

TOP-OF-THE-SET UHF CONVERTERS

ULTRA VISTA II, MODEL UV-82

Smartly styled solid-state two-stage converter. Not only converts any UHF channel (14 to 83) to VHF channel 5 or 6, but amplifies signal as well. Excellent even in weak reception areas. Easy to tune, excellent noise figure, ac convenience outlet.



TELE-MATE SOLID-STATE CORDLESS UHF CONVERTER, MODEL UTM-1

This battery-operated solid-state UHF converter is the most compact, efficient, and highly-styled converter in its price range. Converts any UHF channel (14 thru 83) to either of two VHF channels (5 or 6). The best value in today's UHF converter field.

JERROLD

SYSTEMS ANTENNAS

Jerrold's line of systems antennas are specially designed for commercial and industrial master antenna installations. Their heavy-duty construction assures reliability under severe climatic conditions, and provides long life—trouble free operation. Since the antenna or antenna array is subject to the

extremes of wind and weather, the installer should select types designed specifically for MATV use. Home style antennas, although providing adequate gain and electrical performance, do not meet the mechanical requirements for system applications—and signal quality can not be assured over the life of the installation.

J-SERIES HEAVY DUTY YAGI ANTENNAS, VHF-TV AND FM . . . designed for MATV Systems

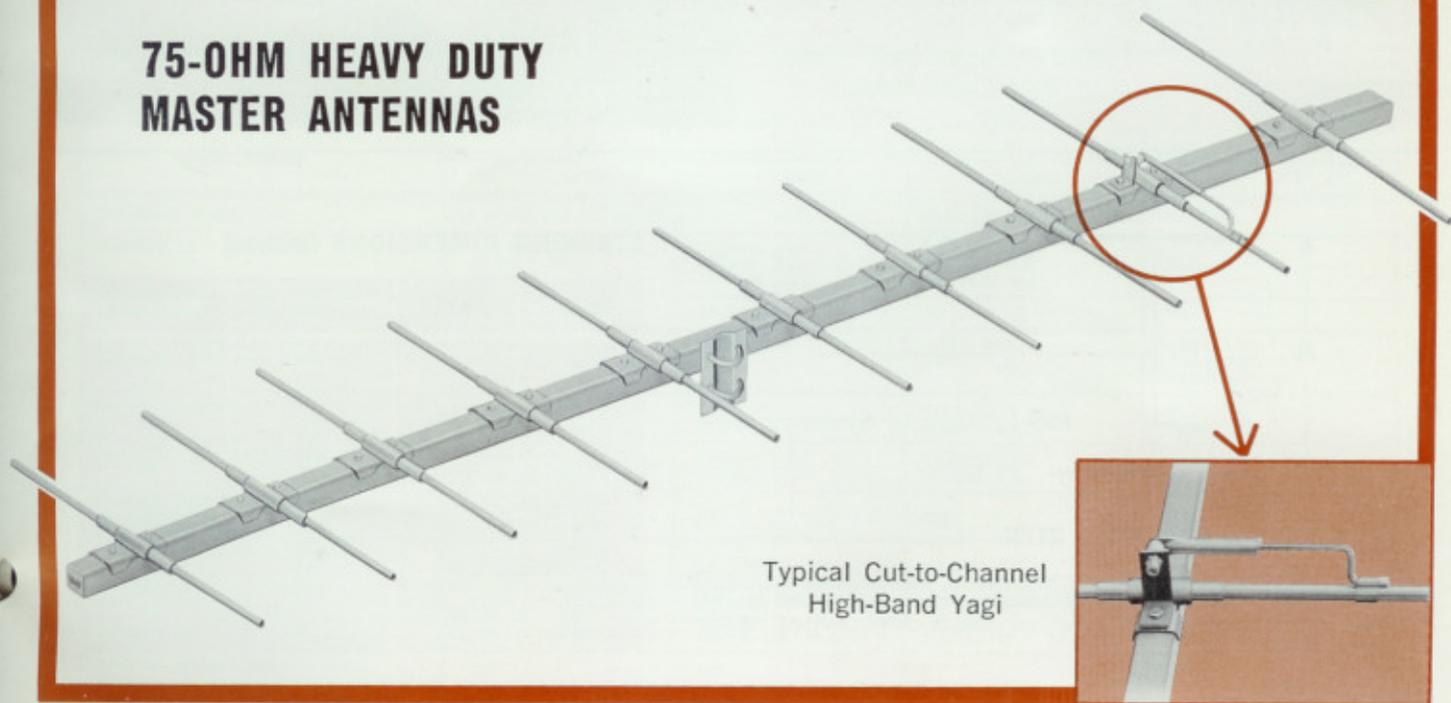
Jerrold J-Series Models are heavy-duty 75-ohm commercial quality master antennas for TV distribution systems. Available in both cut-to-channel yagi and broadband models. Single channel antennas feature sharp directivity for high gain, and excellent front-to-back ratios. All cut-to-channel models have a built-on silver-plated 75-ohm coaxial cable connector with a sealed capacitor-tuned gamma match network for optimum signal transfer. Broadband models are of **true log-periodic design** assuring extremely flat response and matched output over the entire band. Both types provide the finest reception of color, black-and-white, and FM.

J-Series antennas are of extra-heavy-duty construction from seamless chrome-aluminum tubing, end-sealed against entry of moisture, and having special anti-corrosion finish, to assure a maintenance-free, weather-resistant installation. In addition, low-band models have sand-loaded elements for vibration dampening. J-Series yagis are the answer to any system requirement where high reliability or long life is a must.

FEATURES

- Extra-Heavy-Duty Construction
- High Gain Performance
- Choice of Models
- High Reliability
- Low Maintenance—Long Life

75-OHM HEAVY DUTY MASTER ANTENNAS



Typical Cut-to-Channel
High-Band Yagi

ELECTRICAL SPECIFICATIONS

TYPE	MODEL NUMBER	CHANNEL	NUMBER OF ELEMENTS	GAIN (dB)*	FRONT-TO-BACK RATIO
Cut-to-Channel					
Lo-Band	J55-2	2	5	8	18
	J55-3	3			
	J55-4	4			
	J55-5	5			
	J55-6	6			
FM-Band	J55-FM	FM	5	6-7	18
Hi-Band	J105-7	7	10	10.5	20
	J105-8	8			
	J105-9	9			
	J105-10	10			
	J105-11	11			
	J105-12	12			
	J105-13	13			
Broadband					
Lo-Band	J55-Lo	2 thru 6	log-periodic	8	22
Hi-Band	J105-Hi	7 thru 13	log-periodic	8.5	22
IMPEDANCE (all models): 75 ohms.					
AVERAGE SHIPPING WEIGHT: Cut-to-Channel Models—10½ lbs. Broadband Models —14 lbs.					
*Relative to a tuned half-wave dipole.					

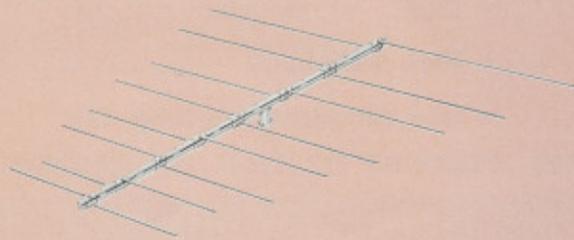
MECHANICAL SPECIFICATIONS

CROSSARMS	High-strength aluminum alloy, seamless, 1¼ inch square, 0.062 wall thickness, end sealed on all models. Broadband models use reinforced split-crossarm.
ELEMENTS	High-strength aluminum alloy tubing, ½ inch diameter, 0.049 wall thickness, seamless, with center sleeves ⅜ inch diameter, 0.049 wall thickness. Low band elements are sand loaded.
MOUNTING ASSEMBLY	Saddle plate, 6x4x¼ inches, steel, cadmium plated, gold-chromate finish. Double steel U-bolts, 5/16 inch, cadmium plated.
CABLE CONNECTOR	Built-on 75-ohm fitting, silver plated, Jerrold type F-61 (mating Jerrold type F-59 connector, and weather boot shipped with antenna).

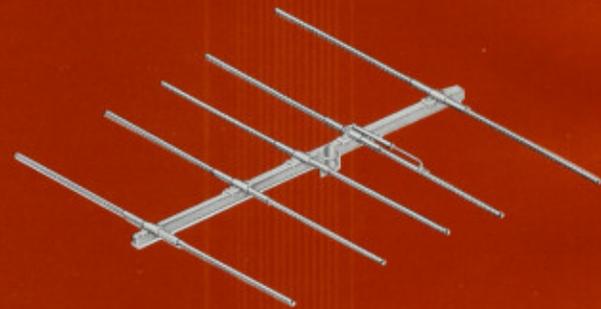
THRUST DATA

MODEL NUMBER	THRUST* (lbs.)		MODEL NUMBER	THRUST* (lbs.)	
	No Ice	¼" Ice		No Ice	¼" Ice
J55-2	52	80	J105-7	35	55
J55-3	46	72	J105-8	33.5	52.5
J55-4	40	66	J105-9	31.5	50
J55-5	36	60	J105-10	30	48.5
J55-6	32	54	J105-11	28.5	46.5
J55-FM	32	54	J105-12	27.5	44
			J105-13	26	42

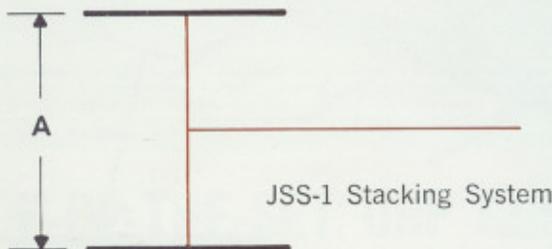
*Thrust in pounds transferred to the supporting structure; based on 30 PSF.



Typical J-Series Log-Periodic Broadband Model



Typical Cut-to-Channel Lo-Band Yagi



JSS-1 Stacking System

JSS-1 SERIES STACKING KITS

Kits are designed for vertically stacking J-Series Yagi Antennas in a 2-bay vertical array. Consists of two cut-to-length combining lines and a 1592 hybrid splitter/mixer. Shipping weight—2 pounds. When ordering, specify channel number.

STACKING DIMENSIONS (inches)

MODEL	CHANNEL	DIMENSION "A" (vert. spacing)	DIMENSION "B" (horiz. spacing)
J55-2	2	140	208
J55-3	3	127	188
J55-4	4	116	172
J55-5	5	102	150
J55-6	6	94	140
J55-FM	FM	80	120
J105-7	7	54	74
J105-8	8	52	72
J105-9	9	50	70
J105-10	10	48	67
J105-11	11	46	65
J105-12	12	45	63
J105-13	13	44	61

JERROLD

TV/FM DISTRIBUTION SYSTEMS EQUIPMENT

The Jerrold distribution equipment shown here is the result of long experience in solid-state technology... experience unmatched in the field of television distribution. The acceptance of Jerrold's solid-state equipment has been amply demonstrated in the overwhelm-

ing response to the "Gibraltar" series. Now you can have a complete solid-state, all-channel system from antennas to TV and FM receiver outlets, with the assurance of guaranteed performance through Jerrold's policy of using only minimum specifications.

"GIBRALTAR" BROADBAND AMPLIFIERS

Solid-State VHF/FM and UHF

GIBRALTAR VHF AMPLIFIER, MODEL 3660

Jerrold solid-state "Gibraltar" Model 3660 is a high-gain, broadband VHF amplifier designed for large television distribution systems such as those in hotels, apartment houses, and schools.

The 3660 provides unsurpassed performance for MATV systems applications. It can easily handle over 100 sets, and has a capability of 12-channel operation. Flat response across both TV and FM bands provides "Color-Perfect" TV, and FM stereo performance. Separate gain controls provided for high and low bands.

Excellent input noise figure. Matched input and output. Fully solid-state circuitry insures high reliability. Wall or 19-inch rack mounting.



GIBRALTAR VHF AMPLIFIER, MODEL 3440

Jerrold solid-state "Gibraltar" Model 3440 is a high-gain, broadband VHF amplifier for small TV distribution systems. Capable of 12-channel operation, the unit features high output with a low noise figure. The 3440 is conservatively rated to handle up to 40 TV outlets. Flat response across both TV and FM bands insures excellent color and FM stereo performance.

The input is a dual circuit providing both 300-ohm twinlead and 75-ohm coaxial terminals, either of which is selected by a switch on the end of the housing. Output impedance is 75 ohms for coaxial distribution systems. Mounting hardware and two F-59A cable connectors are provided.

GIBRALTAR VHF AMPLIFIER, MODEL 3550

Jerrold solid-state "Gibraltar" Model 3550 is a new high-gain, broadband amplifier for medium size distribution systems. Similar to Model 3440, unit provides 33 dB minimum gain through use of four transformer-coupled inverse feed-back transistor stages. Single Manual Gain Control is provided. Input and output impedance 75 ohms.

GIBRALTAR UHF AMPLIFIER, MODEL 5330

Jerrold solid-state "Gibraltar" Model 5330 is the first in Jerrold's new line of high-gain broadband UHF amplifiers for applications in UHF or All-Channel TV distribution systems. The 5330 is the companion piece to the "Gibraltar" VHF Model 3440.

The amplifier portion of the unit uses five transformer-coupled transistor stages featuring progressively increased collector currents. This circuitry exhibits a low noise figure and high signal output capability. High-pass filters at both the input and the output provide excellent VHF signal rejection.

The power supply portion of the 5330 also provides low voltage ac for an antenna-mounted preamplifier. The ac is available by means of a shorting link (switch), provided at the end of the housing.

Mounting screws and two F-59A connectors are supplied.



SPECIFICATIONS—GIBRALTAR AMPLIFIERS

MODEL NUMBER	VHF			UHF
	3440	3550	3660	5330
FREQUENCY RANGE (MHz)	54 to 108 and 174 to 216	54-216	54 to 108 and 174 to 216	470-890
MINIMUM GAIN (dB)	Lo-Band: 22.0 Hi-Band: 22.0 FM-Band: 19.0	Lo-Band: 33.0 Hi-Band: 33.0 FM-Band: 33.0	Lo-Band: 40.0 Hi-Band: 40.0 FM-Band: 40.0	22.0
MINIMUM GAIN CONTROL RANGE (dB)	NA	10 (lo), 8 (hi)	10	NA
MINIMUM OUTPUT PER CHANNEL (dBmV) at less than 0.5% cross-modulation	Lo-Band: +42.0 3-ch. Hi-Band: +42.0 4-ch.	+45.5 7-ch.	+52.0 3-ch. +50.0 7-ch.	+50.0 1-ch. +40.0 2-ch. +34.0 5-ch.
IMPEDANCE (ohms)	Input: 75 or 300 Output: 75	Input: 75 Output: 75	Input: 75* Output: 75	Input: 75 Output: 75
MAXIMUM NOISE FIGURE (dB)	Lo-Band: 5.1 Hi-Band: 7.0	Lo-Band: 8.5 Hi-Band: 10.0	Lo-Band: 13.0 Hi-Band: 9.0	At 470 MHz: 9.0 At 890 MHz: 13.0
MINIMUM INPUT (uV) for 30 dB Signal to Noise Ratio	Lo-Band: 60 Hi-Band: 80	100	100	160
FLATNESS OF RESPONSE (dB across band)	Lo-Band: 1.5 P/V Hi-Band: 2.0 P/V	2.0 P/V	1.5 P/V	3.0 P/V
POWER REQUIREMENT	117 V ac, 60 Hz, 5 watts	117 V ac, 60 Hz, 5 watts	117 V ac, 60 Hz, 16 watts	117 V ac, 60 Hz, 5 watts
DIMENSIONS	7 $\frac{3}{8}$ " L, 5 $\frac{1}{4}$ " W, 1 $\frac{1}{2}$ " H	7 $\frac{3}{8}$ " L, 5 $\frac{1}{4}$ " W, 1 $\frac{1}{2}$ " H	3 $\frac{1}{2}$ " L, 19" W, 3 $\frac{3}{4}$ " H	7 $\frac{3}{8}$ " L, 5 $\frac{1}{4}$ " W, 1 $\frac{1}{2}$ " H
SHIPPING WEIGHT (lbs.)	1 $\frac{1}{2}$	1 $\frac{1}{2}$	6	1 $\frac{1}{2}$

*Switch selection of either dual high-low band inputs, or combined high-low input.

BROADBAND AMPLIFIERS

VHF MODEL 2880

Jerrod Model 2880 is a broadband, vacuum tube amplifier famous in the industry for high output capability—1 full volt per channel for each of seven channels—and for its high reliability/low maintenance. Designed for large systems applications, Model 2880 provides 41 dB of low-band and 44 dB of high-band gain. Unit has low-band plug-in for cable equalizer, and dual manual gain control with 14 dB range.



SPECIFICATIONS— VHF/FM AMPLIFIER, MODEL 2880

	Model 2880
FREQUENCY RANGE (MHz)	54 to 108 and 174 to 216
MINIMUM GAIN (dB)	Lo-Band: 41.0 Hi-Band: 44.0 FM-Band: 41.0 at 92 MHz 20.0 at 108 MHz
IMPEDANCE (ohms)	Input: 75 Output: 75
OUTPUT CAPABILITY PER CHANNEL for 7 Channels at 0.5% Cross-Modulation**	1.0 V (60 dBmV)
FLATNESS OF RESPONSE (dB)	1.5 P/V
TUBE COMPLEMENT	*(1) 6EH7 *(1) 6ES8 *(1) 6DJ8 *frame grid *(2) 6EJ7 types *(3) TJB80 (2) 12BY7A
POWER REQUIREMENTS	117 V ac, 60 Hz, 100 watts
DIMENSIONS	17" L x 7" W x 5 1/4" H
SHIPPING WEIGHT (lbs.)	18

**Represents capability PER CHANNEL for 3-ch. lo-band and 4-ch. hi-band operation. The unit is capable of much higher output operation for the same number of channels; however, 0.5% cross-modulation is well below any objectionable signs of overload and is the best rating to be used in designing a system.

PREAMPLIFIERS

POWERMATE MODEL SPC-107 SYSTEM VHF Broadband—75-Ohm "Coloraxial"

"Powermate" Model SPC-107 is a 75-ohm "Coloraxial" preamplifier with high-gain/overload characteristics for pulling in signals from distant TV stations. Recommended especially for master antenna systems in problem signal areas. Provides reception free from distortions caused by strong local TV or FM stations. Uses coaxial down-lead to prevent spurious signals or noise sources (generators, auto ignition, etc.)—a must for quality color reception. System consists of a two-transistor, broadband preamplifier Model SPC-2, and a remote power supply Model 107. Preamplifier uses a "Cycloc" weatherproof housing, and a universal mounting bracket. This is an improved weatherized version of Model SPC-103.



SPC-107

SPC-132A

UPC-105

DE-SNOWER MODEL SPC-132A SYSTEM VHF Broadband—75-Ohm "Coloraxial"

"De-Snow" Model SPC-132A is the most powerful of all Jerrod preamplifiers and is designed for use in deep fringe areas. Unit solves critical reception problems for both home and MATV . . . and provides gain adequate for a small distribution system. The excellent overload capability prevents local TV or FM transmitters from affecting performance. Coaxial cable down-lead insures against interference from spurious signals. The input of the remote power supply section is back-matched to prevent picture ghosting or smearing due to mismatch. System consists of a broadband preamplifier Model SPC-2, and a three-transistor post amplifier/power supply Model 132A.

Jerrod "Powermate" and "De-Snow" Models are the finest preamplifiers available for master antenna system applications. All solid-state with high gain and low noise figures assure finest color or black-and-white reception to meet the most stringent requirements of commercial and industrial applications.

SMALL SYSTEMS AMPLIFIERS

ALL-CHANNEL MODEL TAC-4

Jerrod's new Model TAC-4 is an economical small system amplifier covering the full 82 channel VHF/FM/UHF band, 54 to 890 MHz. Internal gain is 11 dB; 3 dB at each of the four coaxial outputs. Ideal for TV dealer showrooms and service shops, multiple-dwellings, and any other small system requiring all-channel capability. Unit features solid-state design, and is attractively enclosed in a plastic housing.



VHF MODEL TC-88

Jerrod's new TC-88 is a small system amplifier which covers the VHF/FM band (Channels 2 through 13, and FM). The unit is solid-state, uses a silicon transistor in an inverse feedback circuit, and a hybrid splitter with four outputs. Overload capability is excellent. Internal amplifier gain is 10 dB, with 3 dB at each of the 4 outputs. This unit is ideally suited to the small (up to 4 sets) system in areas where UHF is not required.



SPECIFICATIONS—SMALL SYSTEMS AMPLIFIERS

MODEL NUMBER	ALL-CHANNEL	VHF/FM
	TAC-4	TC-88
FREQUENCY RANGE (MHz)	54-890	Lo-Band: 54-108 Hi-Band: 174-216
NUMBER OF OUTPUTS	4	4
IMPEDANCE (ohms)	75	75
INPUT CAPABILITY (dBmV)	+18.5**	+29.0*
GAIN (dB)	Internal: 11.0	10.0
	4-set: 3.0	3.0
ISOLATION BETW. OUTPUTS (dB)	10.0	12.0
FLATNESS (dB)	0.5/ch	1.0 P/V
DIMENSIONS	4 1/8" x 7 1/4" x 2"	3 1/4" x 4 1/2" x 2"
SHIPPING WEIGHT (lbs.)	2.0	2.0

*Each of seven channels.

**Each of twelve channels.

POWERMATE MODEL UPC-105 SYSTEM UHF Broadband—75-Ohm "Coloraxial"

Jerrod UHF "Powermate" Model UPC-105 is a high-gain "Coloraxial" 75-ohm preamplifier which provides excellent signal reception in fringe and deep-fringe locations. Serves the UHF portion of one all-channel television set or one UHF converter for channels 14 through 83. Uses Coloraxial 75-ohm coaxial cable for the down-lead to prevent interference by spurious signals or noise sources—a must for color-perfect UHF pictures. Antenna inputs are provided for both 300-ohm twinlead and 75-ohm coax. System consists of a UPC-1 two-transistor, broadband preamplifier for the UHF band, and a remote power supply, Model 105. Preamplifier unit mounts to mast or screen of antenna.

REMOTE POWER SUPPLIES—or amplifier/power supplies—are indoor mounted units providing low-voltage ac to the preamplifier over the same coaxial cable used to feed the signal to the receiver.

SPECIFICATIONS—PREAMPLIFIERS

MODEL NUMBER	BROADBAND—75 OHMS			SINGLE CH.
	VHF		UHF	VHF
	SPC-107 (103) ¹	SPC-132A (132) ¹	UPC-105	DSS- ²
Frequency Range (MHz)	54-88 174-216	54-88 174-216	470-890	TV: 6 MHz FM: 88-108
Gain TV (dB)	16.0 (lo) 13.5 (hi)	25.2 (lo) 29.6 (hi)	13.7	30.0
Gain FM (dB)	NA	NA	NA	30.0
Frequency Response (dB)	1.5 P/V	1.0/ch ²	0.5/ch ²	1.0/ch ²
Noise Figure (dB)	5.3 (lo) 7.5 (hi)	5.8 (lo) 7.9 (hi)	12.0	4.3 (lo) 5.4 (hi)
Maximum Input (uV) 7 channels unless otherwise noted.	80,000 (lo) 52,000 (hi)	34,000 (lo) 9,600 (hi)	3,750 ^{3, 4}	20,000 (lo) 25,000 (hi)
Input Impedance	300	300	300-75	75
Output Impedance	300-75	75	75	75
Down Lead Impedance	75	75	75	75
Power Supply, Model Number	107	132A ¹	105	105
Power Consumption (watts)	5	5	5	5

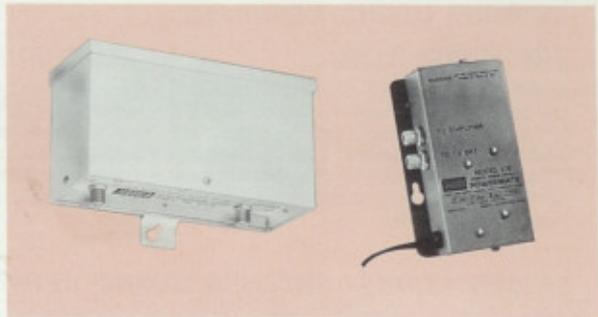
NA—Not applicable.
*Specify TV channel number or FM.
1. Post Amplifier Model 132A contains power supply.

2. Maximum tilt across any channel.
3. For two channels in.
4. () Previous model number.
5. 75-ohm; for 300-ohm multiply by 2.

PREAMPLIFIERS

DE-SNOWER SYSTEMS, DSS-SERIES VHF Single-Channel—75-Ohm "Coloraxial"

The new "De-Snow" DSS-Series is Jerrold's highest-gain line of single-channel preamplifier systems, Models DSS-2 through DSS-13 for VHF television channels, and Model DSS-FM for the full FM radio band. These systems are used with cut-to-channel antennas such as Jerrold JTL5 and JTH10-Series for home and small distribution systems, or with J55 and J105-Series Ruggedized Antennas for large MATV systems in fringe to super-fringe locations. System consists of a single-channel preamplifier Model 801 and a remote power supply Model 105. The preamplifier is enclosed in a weatherproof aluminum housing which has a universal bracket for either mast or indoor mounting. When ordering specify channel number or FM.



ANTENNA MATCHING NETWORKS

ALL-CHANNEL MODEL MUV-374

Model MUV-374 is an 82-channel, 300/75-ohm matching transformer for use with all-channel antennas. Designed for outdoor mounting, the unit matches 300-ohm antenna output to 75-ohm coaxial cable. Complete with weatherboot, mast mounting bracket, and stainless steel strap.



VHF MODEL TO-374A

Model TO-374A is a VHF outdoor, mast-mounted matching transformer. Unit matches 300-ohm VHF antenna to 75-ohm coaxial cable down-lead. Complete with weatherboot, mounting bracket, and stainless steel strap.

UHF MODEL MTUO-374



Model MTUO-374 is an outdoor mounted UHF 300/75-ohm antenna impedance matching transformer which eliminates the need for field constructed baluns. The unit has a flat response over the entire UHF-TV band, and features low insertion loss. The 75-ohm fitting is type F-61A, and is shipped with a matching F-59A cable connector. Twinlead attachment for 300-ohm is by screw terminals.

SPECIFICATIONS—ANTENNA MATCHING TRANSFORMERS

MODEL NUMBER	ALL-CHANNEL	VHF
	MUV-374	TO-374A
PASSBAND (MHz)	54-890	54-216
MAXIMUM INSERTION LOSS (dB)	VHF: 0.75 UHF: 1.5	1.2
IMPEDANCE (ohms)	300/75	300/75
CONNECTORS	F-61A	F-61A
MAXIMUM AC RATING (amps)	2.0	2.0
DIMENSIONS (in)	4½" L, 1¾" W, 1½" H	4½" L, 1¾" W, 1½" H

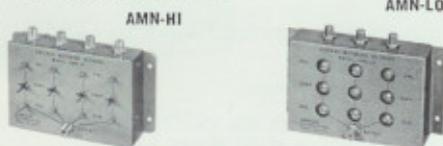
ANTENNA MIXING NETWORKS

75-OHM ANTENNA MIXING NETWORKS, MODELS AMN-HI, AMN-LO

Model AMN-HI is a VHF low-loss mixing network for combining into a single output up to 4 non-adjacent high band television channels (7 through 13), received from single-channel antennas or amplifiers. May also be used in reverse as a channel splitter. Impedance is 75 ohms. Insertion Loss is 2.0 dB maximum.

Model AMN-LO is basically the same for up to 3 non-adjacent low band channels (2 through 6). Impedance is 75 ohms. Insertion Loss is 2.5 dB maximum.

Both units are field tunable, designed for indoor mounting at the system head-end, and shipped with the necessary hardware and connectors.



SPECIFICATIONS—ANTENNA MIXING NETWORKS

MODEL NUMBER	VHF-FM				UHF
	TX-*	TX-FM	AMN-HI	AMN-LO	UMN-3
PASSBAND (MHz)	54-88 174-216	88-108	174-216	54-88	470-890
CHANNELS	2-6 (lo) 7-13 (hi)	NA	7-13	2-6	14-83
IMPEDANCE (ohms)	300	300	75	75	75
MIXES (non-adjacent channels)	1	NA	4	3	3
MAX. LOSS (dB)	1.5	2.0	2.0	2.5	1.0
VSWR	1.4:1	2.0:1	1.5:1	2.0:1	1.79:1
OUT-OF-BAND REJECTION (dB)	13 (lo)** 10 (hi)**	NA	12	12	19***
DIMENSIONS (in)	4½"x1¾" x1½"	4½"x1¾" x1½"	6¾"x4" x1½"	6¾"x4" x1½"	5¼"x5¼" x3½"

*Specify TV channel number.
**6 MHz from band edge.
***Channel 14 at 17, 36 at 40, 76 at 83.

300-OHM ANTENNA MIXING NETWORKS, TX-SERIES TV Channels 2-13, and FM

Jerrold TX-Series is available in models for each TV channel, 2 through 13, and one FM band model. These antenna mixing networks are used to combine single channel antenna outputs into a common line, or may be used in reverse as channel splitters. Each unit is a fixed filter for the specified channel, and is complete with matched mixing jumpers and appropriate mounting hardware. Impedance is 300 ohms. Designed for either indoor or outdoor mounting.

MODEL TX-*—*Specify TV channel desired, 2 through 13.

MODEL TX-FM—Provides FM from TV antenna with no separation loss.

MODEL GP-4 GANG PLATE—Mounting plate for combining up to 4 TX-Series units. Complete with hardware and mast mounting strap.



Group of 4 Model TX-* Units on GP-4 Mount

ANTENNA MIXING NETWORKS

VHF MODEL 1425C

Model 1425C is a VHF Splitter/Mixer which can be used as an antenna mixing network for separating or combining high-band and low-band VHF-TV signals. Unit is designed for outdoor mast mounting and enclosed in a weatherproof housing. Input and output impedance is 300 ohms.

ALL-CHANNEL MODEL 1460B

Model 1460B is an All-Channel Splitter/Mixer for combining VHF and UHF signals into a single down-lead, or as a splitter for separating VHF and UHF signals at the TV receiver input terminals. Designed for outdoor mast mounting. Circuit is a highly efficient low-loss crossover network with separate VHF and UHF passband circuits for high isolation.

VHF/FM MODEL TX-MS

For mixing two TV or FM antennas into single 300-ohm twinlead. Also excellent for connecting two sets to single antenna. Very low loss—less than 4.5 dB. Isolation at least 18 dB.



SPECIFICATIONS—ANTENNA MIXING NETWORKS

MODEL NUMBER	VHF		ALL-CHANNEL		
	1425C	LHS-76	1460B	FCO-320	
PASSBAND (MHz)	Input:	54-216	dc-216	54-890	dc-890
	Outputs:	Lo-Band: 54-108 Hi-Band: 174-216	Lo-Band: dc-108 Hi-Band: 174-216	VHF: 54-216 UHF: 470-890	VHF: dc-216 UHF: 470-890
IMPEDANCE (ohms)	300	75	300	75	
ISOLATION BETWEEN TERMINALS (dB)	Lo-Band: 10.0 min. Hi-Band: 12.0 min. Typical: 20.0	Lo-Band: 30.0 Hi-Band: 34.0	VHF: 20.0 min. UHF: 20.0 min.	25.0	
FEED-THRU LOSS (dB)	0.75	Lo-Band: 0.25 Hi-Band: 0.5	VHF: 0.5 UHF: 1.0	VHF: 0.5 UHF: 1.0	
ATTENUATION LOSS (dB)	NA	NA	NA	NA	
VSWR (maximum)	1.6:1	1.2:1	VHF: 1.5:1 UHF: 1.8:1	VHF: 1.2:1 UHF: 1.5:1	
OUT-OF-BAND REJECTION (dB)	NA	NA	NA	NA	

VHF HI-LO SPLITTER/MIXER, MODEL LHS-76

This unit is specially designed to split or mix VHF-TV high-band and low-band signals. This low-loss mixer comprises complementary low-pass and high-pass filters with a crossover frequency at approximately 140 MHz. VSWR is less than 1.3:1. Passband is dc to 108 MHz for the low-band, and 174 to 216 MHz for the high-band. Isolation between bands is greater than 30 dB. Impedance at all terminals is 75 ohms. Model LHS-76 is housed in a sturdy blister can 2-5/16" x 1-5/16". The unit is shipped with three F-59A solderless coaxial cable connectors.



UHF MIXING NETWORK, MODEL UMN-3

Model UMN-3 is Jerrold's exclusive low-loss mixing network for combining the outputs of three UHF single-channel antennas or amplifiers into a single broadband output. Unit also functions as a splitting network to separate the output of a broadband UHF antenna into three single-channel outputs.



Model UMN-3 contains 3 cavity-type, double-tuned filter networks which allow guardbands of 2 channels at low-end, 3 channels at mid-band, and 5 channels at the high end. It may be ordered factory-tuned to specific channels. It is designed for either indoor or outdoor mounting.

ALL-CHANNEL SPLITTER/MIXER, MODEL FCO-320

Model FCO-320 is a frequency crossover network designed for splitting the All-Channel range (dc to 890 MHz) into a VHF band (dc to 216 MHz) and a UHF band (470 to 890 MHz), or as a mixer to combine the VHF and UHF frequency bands into a single all-channel output. The crossover frequency is 320 MHz. Unit is designed for indoor mounting and uses F-61A fittings. Three F-59A coaxial cable connectors and mounting hardware are provided. Impedance—75 ohms.



FREQUENCY RANGE: 470 to 890 MHz. BANDWIDTH: 6 MHz. MAXIMUM VSWR: 1.79:1 (minimum return loss of 11 dB). IMPEDANCE: 75 ohms input and output. INSERTION LOSS: 1 dB. OUT-OF-BAND REJECTION: 19 dB.

MOUNTING PLATE, MODEL MP-3

Model MP-3 is a 19 1/4" x 19" pre-drilled rack mounted panel for installing up to three Model 5330 UHF Amplifiers, UMN-3 UHF Mixing Network, PDL-1 Attenuators, and associated UCF-Series Single Channel UHF Filters. Used for head ends of up to 3 single UHF channels.

TRAPS AND FILTERS

HIGH "Q" TRAPS

MODELS TLB-1, TFM-1, THB-1

Each trap consists of two tunable L-C circuits in a modified bridged-tee network. Tuning of the units is by means of Teflon-dielectric trimmers with screwdriver adjustment. When both circuits are tuned to an interfering signal, rejection is a minimum of 40 dB. Insertion Loss at 1.5 MHz off the interfering frequency is only 3 dB. Units are shipped with two F-59A connectors for use with RG-59/U coaxial cable. Model TLB-1 is used for low-band Channels 2-6 (59.75-83.75 MHz); Model THB-1 for high-band Channels 7-13 (179.75-211.25 MHz); Model TFM-1 is for the FM band (88-108 MHz). Impedance—75 ohms. Designed for indoor mounting.



UHF SINGLE CHANNEL FILTERS, UCF-SERIES

Jerrold UCF-* Models are high-Q, cavity-tuned filter networks, factory-set to a single pre-selected UHF channel. Use of this exclusive Jerrold component adapts broadband UHF amplifiers, such as Jerrold Model 5330, to single channel operation. Rejection outside passband is a minimum of 20 dB down. Insertion Loss—2 dB maximum.

*Specify UHF channel number when ordering.

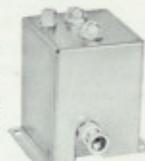
HIGH PASS FILTER, MODEL TX-HP

Jerrold Model TX-HP is a high pass filter network which passes the VHF-TV band while rejecting amateur and citizen band signal interference at TV IF and lower frequencies. Unit is a fixed filter circuit with a passband of 54 to 216 MHz. Impedance is 300 ohms. Designed for either indoor or outdoor mast mounting. Model TX-HP is packaged in a weatherproof housing and supplied with appropriate mounting hardware.

SINGLE CHANNEL AND FM TRAPS, 1435-SERIES

Model 1435-* Jerrold-TACO multi-section, wideband traps provide a minimum of 20 dB (average 23.0 dB) rejection of any specified VHF-TV channel, or the full FM band. These traps provide sharp cut-off and prevent strong TV or FM channels from causing overloading of the TV set and resulting in sound distortion, cross-modulation, or herringbone pattern on the TV screen. VSWR is 1.5:1. Units are enclosed in weatherproof housings and mount directly to the antenna crossarm. Can be used with either amplified or non-amplified antennas. Packaged in individual boxes, ten per carton.

*Specify channel number or FM band.



UHF CHANNEL CONVERTERS

... for Outdoor mast mounting or head-end installation

Jerrold UV-Series Single-Channel UHF to VHF Converters are designed to meet the exacting requirements of Master Antenna Systems, for metropolitan to deep-fringe installations. Converter-Amplifiers Model U5V (indoor) and Model U4V (outdoor) will convert any single UHF

Channel (14 through 83) to any single VHF Channel (2 through 13) with an overall conversion gain. Converter Model U3V (outdoor) permits a similar conversion function with low loss.

UHF CONVERTER-AMPLIFIER, MODEL U5V (indoor)



Indoor Converter-Amplifier Model U5V

Jerrold Model U5V is a fully solid-state single-channel UHF converter for indoor head-end mounting, and comprises a cavity-tuned solid-state Converter-Amplifier Unit, Model 454T, mounted together with a solid-state Oscillator/Power Supply, Model 464-SS, in a single compact housing. Ideal for all UHF reception, including deep fringe areas, Model U5V assures long-life, maintenance-free service for Master Antenna TV Distribution Systems. Converts any specified UHF channel to a VHF channel with a conversion gain of 7 dB (low-band) and 5 dB (high-band). Impedance is 75 or 300-ohm input (specify), 75-ohm output. Noise figure is 14 dB maximum, 10 dB typical. Bandwidth is 8 MHz.

UHF CONVERTER-AMPLIFIER, MODEL U4V (outdoor)

Model U4V provides excellent fringe area reception of UHF signals by mast mounting the fully solid-state cavity-tuned Converter-Amplifier Unit, Model 454T, at the UHF antenna where signal-to-noise ratio is optimum. Unit is housed in a compact weatherproof enclosure. Both dc power and oscillator input are received at the mixer head from an indoor, remote Oscillator-Power Supply, Model 463. Model U4V will convert any specified UHF channel to a VHF channel with an overall conversion gain. Specifications are the same as given for Model U5V.



Converter-Amplifier, Model 454T



Oscillator and Power Supply, Model 463

UHF CONVERTER, MODEL U3V (outdoor)

Model U3V provides excellent local UHF reception and conversion, and uses a mast-mounted, weatherized Converter Unit, Model 454, at the UHF antenna for optimum signal-to-noise ratio. Model 454 is similar to Model 454T except that there is no VHF post amplifier as part of the unit. Both dc power and oscillator input are from a remote Oscillator/Power Supply, Model 463. Converts any specified UHF channel to a VHF channel with a conversion loss of 12 dB maximum, 9 dB typical. Impedance is 75 or 300-ohm input (specify), 75-ohm output. Noise figure is governed by down-lead loss and by the following VHF amplifier in the MATV system.



Converter-Amplifier, Model 454



Oscillator and Power Supply, Model 463

UV-SERIES SELECTION CHART

YOUR AREA AND CONDITIONS	YOU WANT	YOU ORDER
MEDIUM TO DEEP FRINGE with weak signals ¹	One UHF channel	1 Model U4V-(**)-(*)
	Two UHF channels from one antenna	2 Model U5V-(**)-75 1 Model UPC-105 Pre-amp ² 1 Model 1596 Splitter
SUBURBAN TO MED. FRINGE with moderate signals ¹	One UHF channel	1 Model U5V-(**)-75
	Two UHF channels from one antenna	2 Model U5V-(**)-75 1 Model 1596 Splitter
METROPOLITAN TO SUBURBAN with strong signals ²	One UHF channel	1 Model U3V-(**)-(*)
	Two UHF channels from one antenna	2 Model U5V-(**)-75 1 Model 1596 Splitter

SPECIFICATIONS— CONVERTER-AMPLIFIER UNIT, MODEL 454T

INPUT IMPEDANCE (ohms)	75 or 300 (must be specified when ordering)
OUTPUT IMPEDANCE (ohms)	75, back matched, VSWR 1.8:1
NOISE FIGURE (dB)	10 (typical), 14 (maximum)
OVERALL CONVERSION GAIN (dB)	7 (minimum VHF low-band) 5 (minimum VHF high-band)
BANDWIDTH (MHz)	8, flat ± 0.75
MAXIMUM INPUT (μ V)	50,000
MIXER CRYSTAL	1N82A (Snap-in)
PHYSICAL CHARACTERISTICS	Corrosion-resistant aluminum housing; weatherproof hardware; high-Q temperature-stable cavities, tuned with self-locking trimmers.
DIMENSIONS	6 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ " x 3-7/16" (excluding mounting bracket)
WEIGHT (lbs.)	1 $\frac{1}{2}$
MOUNTING	Antenna mast mounting bracket and strap provided
POWER REQUIREMENT	12 V ac power supplied via coaxial cable from remote Oscillator-Power Supply, Model 463

SPECIFICATIONS—CONVERTER UNIT, MODEL 454

Specifications are similar to Model 454T Converter-Amplifier Unit except does not include VHF solid-state post amplifier section.	
CONVERSION LOSS (dB)	9 (typical), 12 (maximum)
NOISE FIGURE (dB)	Depends on noise figure of following VHF amplifier. Nominally, 16 (high-band), 14 (low-band), (with post amplifier noise figure of 6 and 4 respectively)
MAXIMUM INPUT (μ V)	300,000

SPECIFICATIONS— OSCILLATOR/POWER SUPPLY, MODEL 463

TUBE COMPLEMENT	One 6DX4, one 0B2
OSCILLATOR OUTPUT	1 volt minimum
DC POWER SUPPLY	12 V dc at 4 mA
POWER REQUIREMENT	117 V ac, 60 Hz at .18 amps., power consumption 25 watts
DIMENSIONS	9" x 4 $\frac{3}{8}$ " x 5 $\frac{3}{8}$ " (includes mounting plate)
WEIGHT (lbs.)	4
MOUNTING	Shelf or wall (hardware supplied)

1. Signals may be of any strength in any area, i.e., you could have a very weak signal within ten miles of a transmitter or a strong signal 15 miles away. This chart is based on normal conditions.

2. Since Model UPC-105 is a broad-band amplifier with medium overload capabilities, it should be used with caution if there is a strong transmitter within ten miles.

*You must specify 75 or 300-ohm antenna input impedance. For Models U3V and U4V order only if 75-ohm output antenna is used. For Model U5V we recommend that 75 ohms be specified for most applications.

**Specify UHF to VHF channels desired.

AUDIO AMPLIFIERS, MODULATORS AND TUNERS

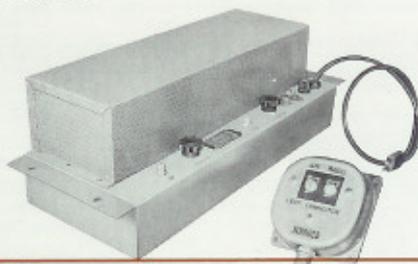
AM RADIO AMPLIFIER, MODEL AMA-50

Jerrold Model AMA-50 is a broadband amplifier for the AM radio broadcast band, available on special order. Operating frequency is in the 550 to 1600 MHz band. The amplifier is designed to be connected to the head end of a master antenna system so that AM radio can be distributed. Jerrold Model 1502A Splitters and Tap Outlets Model FT-75 (FM terminals) can be used for this purpose. Unit can also be used with a wire radiating loop to provide excellent reception of AM radio in a dealer sales showroom. A loop connector is supplied with the equipment.

SPECIFICATIONS—MODEL AMA-50

PASSBAND	550-1600 kHz
GAIN	52 dB
MAX. COMPOSITE OUTPUT LEVEL	1 volt AOC*; 2 volts Manual
IMPEDANCE	75 ohms, matched
POWER REQUIREMENT	117 V ac, 60 Hz, 40 watts
APPROX. SHIPPING WEIGHT	12 lbs.

*Automatic Overload Control



AUDIO-TROL AUDIO MODULATOR, MODEL AT-*

Audio sources such as from an FM tuner, AM radio, records, tape and microphone can be distributed over an unused TV channel with this Jerrold audio modulator. Any commercial TV receiver can be used to reproduce the audio program through the speaker. Simply install at the head-end of a TV distribution system to add audio in hotels, hospitals, schools and apartment houses.



*Specify channel number.
*Specify channel number.

SPECIFICATIONS—AUDIO-TROL, MODEL AT-*

RF Output	Up to 55 dBmV, each carrier, separately controlled, at 75 ohms, at each of two terminals.
Frequency Stability	Video carrier crystal controlled, sound carrier AFC controlled referenced to crystal.
Spurious Signal	Down 50 dB.
Output VSWR	1.2:1 (21 dB min. Return Loss).
Frequency	Any VHF-TV channel.
Carriers	One at video frequency, unmodulated; one at sound frequency, frequency modulated, with 25 kHz max. deviation.
Signal for Maximum Deviation	60 mV audio, high impedance.
Pre-emphasis Networks	Built-in, TV standards.
Distortion	Less than 1%, 2nd harmonic and hum.
Tube Complement	Low channel models: (1) 6BC8, (1) 6AS6, (3) 6CB6, (1) 0B2, (1) 6AU6, (1) 6AB4, (1) 6AL5. High channel models: (1) 6BC8, (1) 6AS6, (2) 6CY5, (1) 0B2, (1) 6CB6, (1) 6AU6, (1) 6AB4, (1) 6AL5.
Regulation	Gas tube voltage regulation.
Power Requirements	45 watts at 117 V ac, 60 Hz.
Dimensions	Panel 19" x 5 1/4", depth behind panel—5".
Mounting	Standard 19" rack.
Shipping Weight	12 1/2 lbs.

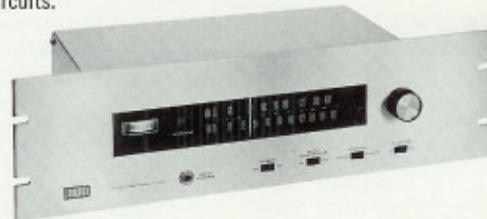
*Specify channel number.

AM/FM TUNER, MODEL AFT-2000

Jerrold Model AFT-2000 is an all solid-state, highly sensitive and selective, drift-free tuner for converting any AM or FM signal into an audio source for Jerrold Model AT-* Audio-Trol audio modulator. These signals can then be distributed over any unused channel of a TV distribution system. Model AFT-2000 can be expected to deliver high-level performance with long-life reliability.

FEATURES

- Built-in audio compression limits audio output to a maximum level.
- No signal drift—once set to a station, the station remains "locked-in."
- Programs can be monitored while tuning with tuner output disconnected from system.
- Panel light indicates monitoring or tuner output connected to sound system.
- Headphone monitoring jacks on front panel—always "live."
- Flywheel tuning, log-scale, and D'Arsonval tuning meter—for fast, precise tuning.
- AC convenience outlet on rear of chassis—controlled by front panel on-off switch.
- Balanced 300-ohm FM antenna input terminals.
- Built-in ferrite loopstick antenna for AM.
- Overload and "crosstalk" prevention—through exclusive filter circuits.



SPECIFICATIONS—AM/FM TUNER, MODEL AFT-2000

Usable FM Sensitivity	0.95 microvolts for 20 dB of quieting
FM Image Rejection	Better than 45 dB
FM Spurious Response Rejection	Better than 60 dB
AM Sensitivity	50 uV/m; terminals 10 uV
AM Selectivity	10 kHz bandwidth at 6 dB points
AM IF Rejection	55 dB
Front Panel	Tuning meter, AM-FM tuning, program switch, audio compressor switch, AM-FM selector switch, power switch, monitor headphone jack
Shipping Weight	14 lbs.
Dimensions	5 1/4" H x 19" W x 10 1/2" D

TAP-OFFS AND OUTLETS

"ULTRA TAP" TV OUTLETS

Jerrold "Ultra Tap" television signal tap-offs are the finest on the market for master antenna systems in hotels, motels, schools, apartment houses, or other commercial and industrial buildings. Each model is a precision unit designed to insure the absence of discontinuities which might create standing-waves and degrade the overall system performance. Equipped with "Gamma" receptacles, units accept Jerrold 75 and 300-ohm push-on plugs. Simple crimp-on bushings and positive-

gripping clutch permits fast solderless connections to the feeder. Units can be flush mounted in standard 2" x 4" (or combination) wall boxes and used with Jerrold UT-PI or UT-PS cover plates. Design is such that standard electrical outlet cover plates can be used to meet the requirements of special decor. A housing, Model UT-SH is available for surface mounting of outlets where required in existing construction.

ALL-CHANNEL TAP-OFF UNITS FOR VHF/UHF-TV AND FM, MODELS UT-82-59, UT-82-CAC

Jerrold "Ultra Tap" Models UT-82 are all-channel (20 to 890 MHz) tap-off units which provide a choice of three isolation and feed-thru values, each color-coded. Two models for either RG-59 (UT-82-59) or Jerrold "CAC" Cable (UT-82-CAC). Simple crimp-on bushings and positive-gripping clutch permits fast solderless connections to the feeder. The tap terminal accepts G-59, PG-59 and G-56 push-on connectors. Specifications are shown in the table.



ALL-CHANNEL WALL TERMINAL UNIT FOR VHF/UHF-TV AND FM, MODEL UT-18*

Model UT-18 is an "Ultra Tap" all-channel TV feed-thru unit (dc to 890 MHz). It provides a flush-mounted terminal outlet for splitter or tap-off units (such as Jerrold Models 1405, 1406, 1407) located elsewhere. Input terminal is "F" type; output "G" type. Male cable connectors are not supplied and may be purchased separately for cable type used. The tap terminal accepts G-59, PG-59 and G-56 push-on connectors.

*Not to be used as a line termination.



BASIC TAP-OFF UNIT FOR VHF-TV OR FM, MODEL UT-22

This VHF-TV or FM unit provides a choice of three isolation and feed-thru values (color-coded) and is used to tap signals from RG-59 type feeder cables. Provides a single "Gamma" receptacle which can be used to connect a TV or an FM receiver. The tap terminal accepts G-59, PG-59 and G-56 75-ohm, and G-300 75-300 ohm adapter, push-on connectors. Specifications are shown in the table.



COMBINATION TAP-OFF UNIT FOR VHF-TV AND FM, MODEL UT-33

Available in the same isolation and feed-thru values as Model UT-22, this unit has additional isolation to separate TV and FM signals for simultaneous connection of both a TV and FM receiver.



WALL TERMINAL UNIT FOR SEPARATE VHF-TV AND FM, MODEL UT-13*

Similar to Model UT-12 except provides an additional FM outlet attenuated 10 dB below the TV signal level.

*Not to be used as a line termination.

COVER PLATE, MODEL UT-PI

Single outlet cover plate of sturdy molded plastic, ivory color.



COVER PLATE, MODEL UT-PS

Single outlet cover plate of brushed stainless steel.

OUTLET SURFACE MOUNTING BOX MODEL UT-SH

Single outlet surface-mounting housing for use with Ultra Tap Units, Models UT-12 and UT-22. Made of sturdy molded plastic, ivory color.



G-300 MALE CABLE ADAPTER—300-OHM

This 75/300-ohm adapter combines G-59 type push-on fitting with "no-strip" type crown washer terminals. Provides quick connection or disconnection of 300-ohm twinlead to "G" type chassis fittings. A resistor converts 75 to 300 ohms. Tap isolation is the ratio of 75-ohm feeder voltage to 300-ohm tap voltage.



ISOLATION AND FEED-THRU LOSS CHART

A = Isolation B = Feed-Thru Loss (values in dB)

ULTRA-TAP, MODELS UT-22 AND UT-33					
FREQUENCY	CHANNEL NUMBER		WHITE (W)	RED (R)	YELLOW (Y)
55.25 MHz	2	A	35.0	27.0	22.5
		B	0.2	0.4	0.2
83.25 MHz	6	A	34.0	25.0	19.0
		B	0.2	0.4	0.3
175.25 MHz	7	A	31.0	21.0	13.0
		B	0.25	0.5	0.4
211.25 MHz	13	A	30.0	20.0	11.5
		B	0.25	0.5	1.0
ULTRA-TAP, MODELS UT-82-CAC AND UT-82-59					
55.25 MHz	2	A	34.0	26.5	22.0
		B	0.5	1.0	1.25
211.25 MHz	13	A	29.5	25.5	20.5
		B	0.5	1.0	1.25
471.25 MHz	14	A	29.5	24.0	17.0
		B	0.5	1.0	1.25
801.25 MHz	69	A	29.5	21.0	14.0
		B	0.5	1.0	1.25
885.25 MHz	83	A	29.5	21.0	14.0
		B	0.75	1.0	1.5

TAP-OFFS AND OUTLETS "VARIABLE TAPS" TV OUTLETS

3-in-1 Master TV Distribution System Tap-off enables you to change isolation with the turn of a screw

The Jerrold Variable Tap is a new concept in flush-mounted tap-offs. Two types, Model VT-75 for 75-ohm, and Model VT-300 for 300-ohm, meet all your distribution needs. You use the same model at every outlet location. The heart of the Variable Tap is a unique printed circuit incorporating all three isolation values. These values are color-coded red, yellow, and green. The particular isolation value required (see chart) is selected by merely positioning the isolation screw according to color-code.

A separate cover plate (fits both VT-75 and VT-300) is another important feature. The taps (like the electrical outlets) are installed without the cover plates and the system checked out—before the walls are painted. The attractive, ivory-colored cover plate is attached with a single screw.

A solderless quick-clamp cable connector and a single binding screw for the center conductor permit fast, reliable feeder-cable connections. Variable Taps require no accessories. They will significantly reduce inventory costs and installation time.

FEATURES

- **THREE ISOLATION VALUES ON ONE TAP**—select isolation value simply by moving screw.
- **BACK-MATCHED AT TAP**—reduces standing waves.
- **RECEIVER CONNECTIONS**—Model VT-75 includes RG-59/U plug for receiver drop. Model VT-300 equipped with screw terminal for 300-ohm twinlead.
- **SEPARATE WALL PLATE INCLUDED**—permits easy alignment of outlet in wall box.
- **ACCEPTS CAC, RG-59/U OR RG-6/U FEEDER CABLES**—no changes or adapters necessary.
- **SAVES INSTALLATION TIME**—fast, easy to install.
- **FITS STANDARD WIRING BOXES**— $2\frac{3}{4}$ " W x $4\frac{1}{2}$ " H x $1\frac{1}{4}$ " D.



Model VT-300
Variable Tap



Model VT-75
Variable Tap

ISOLATION AND FEED-THRU LOSS CHART

A = Isolation B = Feed-Thru Loss (values in dB)

VARIABLE TAP, MODEL VT-75

FREQUENCY	CHANNEL NUMBER		RED (R)	YELLOW (Y)	GREEN (G)
55.25 MHz	2	A	27.0	22.0	19.0
		B	0.1	0.1	0.1
83.25 MHz	6	A	23.0	19.0	16.0
		B	0.1	0.2	0.2
175.25 MHz	7	A	17.0	13.0	11.0
		B	0.3	0.5	1.0
211.25 MHz	13	A	15.0	11.0	9.0
		B	0.4	0.8	1.5

VARIABLE TAP, MODEL VT-300*

FREQUENCY	CHANNEL NUMBER		RED (R)	YELLOW (Y)	GREEN (G)
55.25 MHz	2	A	27.0	22.0	19.0
		B	0.1	0.1	0.1
83.25 MHz	6	A	23.0	19.0	16.0
		B	0.2	0.2	0.2
175.25 MHz	7	A	17.0	13.0	11.0
		B	0.5	0.4	0.5
211.25 MHz	13	A	15.0	11.0	9.0
		B	0.5	0.4	0.5

*Attenuation value is a ratio of the 75-ohm feeder voltage to the 300-ohm tap voltage.

ALL-CHANNEL FLAT TAP, MODEL FT-75

Jerrold's NEW Model FT-75 tap-off is a 12 dB unit ideally suited to small distribution systems carrying VHF, FM, and UHF television channels. Designed for flush-mounting in a regular electrical outlet box, the unit accepts CAC, RG-59/U or RG-6/U coaxial cable. Solderless feeder line connections are made through a twin cable clamp and a single binder screw. Plug and ferrule are provided. An attractive, ivory-colored cover plate is supplied. Impedance is 75 ohms.



SPECIFICATIONS—MODEL FT-75

FREQUENCY RANGE (MHz)	54 to 890
FEED-THRU LOSS (dB)	54-216 MHz: 1.0±0.5 470-890 MHz: 1.5±0.5
ISOLATION (dB)	12.0±1.0
RETURN LOSS, MINIMUM (dB)	54-216 MHz: 14.0 470-890 MHz: 11.0
VSWR	54-216 MHz: 1.5:1 470-890 MHz: 1.79:1

ISOLATION AND FEED-THRU LOSS CHART

A = Isolation B = Feed-Thru Loss (values in dB)

ALL-CHANNEL MULTI-TAP, MODELS 1405, 1406, 1407

MODEL NUMBER		1405	1406	1407
VHF DC-216 MHz	A	27.0 ± 1.0	20.0 ± 1.0	13.0 ± 1.0
	B	0.8	1.8	NA
UHF 470-890 MHz	A	24.0 ± 2.0	19.5 ± 2.5	13.0 ± 1.0
	B	1.0	2.2	

VHF MULTI-TAP, MODEL G-1404

FREQUENCY		55.25 MHz	83.25 MHz	175.25 MHz	211.25 MHz
CHANNEL NUMBER		2	6	7	13
A = Isolation	A	22.0	18.0	15.0	13.0
B = Feed-Thru Loss (values in dB)	B	0.25	0.5	1.2	1.4

UHF/VHF MULTI-TAPS MODELS 1405, 1406, 1407



Models 1405, 1406, 1407 Jerrold "Multi-Taps" are all-channel, surface mounted, line-tap networks designed for small distribution systems, particularly for TV dealer, appliance store or department store TV showrooms. Each unit will feed four receivers.

Models 1405 and 1406 are six terminal units (four isolated taps, input and output). Model 1407 is a five terminal tap for installation at the end of a feeder line. Impedance of all units is 75 ohms. Unused feed-thrus (1405 and 1406) and any unused terminals on 1407 should be properly terminated (TR-75UF or ST-1203).

Mounting hardware and F-59A connectors for installation are supplied with each component.

VHF MULTI-TAPS, MODEL G-1404

Jerrold "Multi-Tap" Model G-1404 is a surface mounted, four outlet line-tap network for VHF-TV distribution systems. Equipped with "Gamma" chassis fittings, the unit permits quick connect and disconnect of coaxial cables to the receivers. Impedance is 75 ohms. Line output and input connectors are type F-61A for permanent feed-thru continuity. Two F-59A and four G-59 cable connectors included with mounting hardware. Shipping weight 8 ounces.

TAP-OFFS AND OUTLETS

PRESSURE TAPS, MODELS PT-1461A, PT-1462A

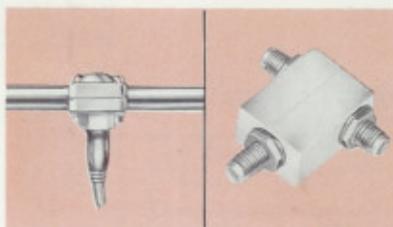
Waterproof and corrosion-resistant pressure tap isolation units designed to feed signals from an RG-11 coaxial cable to a TV receiver through an RG-59/U feeder. Color coded capacitive units—White (W), Red (R), Yellow (Y), and Green (G). Model PT-1461A (single-shielded RG-11), Model PT-1462A (double-shielded RG-11).

Installation requires the use of Jerrold CD-11 Cable Drill. Supplied complete with F-59 cable connector and protective rubber boot.

PTC—Pressure tap inserts, capacitive, W, R, Y, G.

PTR—Pressure tap inserts, resistive, 30 dB, 35 dB, 40 dB.

DPT—Blank plug for Models PT-1461A and PT-1462A.



IN-LINE TAP, MODEL 1401

Jerrold Model 1401 is a surface mounted, capacitive attenuator network used with RG-59-type cables. The unit provides compensation for signal attenuation at a particular point on a feeder cable and isolation between a receiver and the distribution system. Three color coded values, Red (R), Yellow (Y), and Green (G). Terminate last tap on a feeder line with a TR-72.

ISOLATION AND FEED-THRU LOSS CHART

A = Isolation B = Feed-Thru Loss (values in dB)

CAPACITIVE PRESSURE TAPS, MODELS PT-1461A OR PT-1462A
IN-LINE TAPS, MODEL 1401

FREQUENCY	CHANNEL NUMBER		WHITE (W)*	RED (R)	YELLOW (Y)	GREEN (G)
55.25 MHz	2	A	33.0	26.0	22.0	19.0
		B	—	—	.05	.10
83.25 MHz	6	A	29.0	22.0	18.0	15.0
		B	—	.10	.20	.40
175.25 MHz	7	A	22.0	15.0	12.0	9.0
		B	—	.35	.65	1.2
211.25 MHz	13	A	20.0	14.0	11.0	8.0
		B	.05	.45	.85	1.5

*White not available for Model 1401.

VHF MATCHED TAP, MODEL MTP-20

This Jerrold 2-way resistive network is for the frequency range of dc to 216 MHz. Feed-thru loss is 2.0 dB. Isolation is 20.0 dB. Minimum return loss is 21.0 dB; VSWR is a maximum of 1.2:1. Shipped complete with three mating connectors, type F-59A.



ATTENUATORS

FIXED ATTENUATORS, PDL-SERIES

Models PDL-1, PDL-3, PDL-6, PDL-10, PDL-20 are fixed attenuator pads for 75-ohm circuits and use a resistive tee-network. They are ideal for in-line use. The first three models listed are for all-channel (dc-890 MHz) applications. The last two models are VHF (dc-216 MHz) only. Fittings are type F-61, and are shipped with F-59 mating cable connectors. Attenuators can be cascaded using Jerrold F-71 male coupling connectors. Return Loss: 21.0 dB. VSWR: 1.2:1. Impedance: 75 ohms. Overall Length: 2½ inches.



SPECIFICATIONS—PDL-SERIES ATTENUATORS

MODEL	PDL-1	PDL-3	PDL-6	PDL-10	PDL-20
ATTENUATION (dB)	1.0±0.2	3.0±0.3	6.0±0.3	10.0±0.5	20.0±1.0
PASSBAND (MHz)	All-Channel (dc to 890)			VHF (dc to 216)	

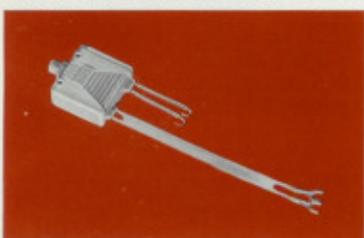
VARIABLE ATTENUATOR, MODEL A-21

Switch type, Variable RF Attenuator providing precise values over the frequency range of dc to 216 MHz. The unit is matched to 75 ohms with a VSWR of less than 1.2:1. Model A-21 attenuates from 0 to 21 dB in 3 dB steps. Two F-59 connectors are included.



INDOOR MATCHING TRANSFORMERS

UHF/VHF MATCHING TRANSFORMER/SPLITTER, MODEL T-380A



Jerrold Model T-380A is an all-channel (54 to 890 MHz) transformer-type splitting network for rear-of-set mounting. It serves a dual function — matches 75-ohm coaxial cable to 300-ohm TV sets, and splits the signal providing separate UHF and VHF antenna inputs to the TV set. INPUT: 75 ohms, all-channel (54 to 890 MHz). OUTPUT: 300 ohms, individual VHF (54 to 216 MHz) and UHF (470 to 890 MHz).

Coaxial connectors Model F-59A, cable clamp, and mounting hardware provided.

SPECIFICATIONS—MODEL T-380A

PASSBAND (MHz)	54 to 890
Input	VHF: 54 to 216
Separate	UHF: 470 to 890
Outputs	
IMPEDANCE (ohms)	
Input	75
Outputs	300
ISOLATION BETWEEN OUTPUTS (dB)	10
FEED-THRU LOSSES (dB)	54 MHz—0.25
	216 MHz—0.50
	470 MHz—0.75
	890 MHz—1.50

VHF MODEL T-378

Model T-378 is a rugged, matching transformer for installation at the back of a TV receiver. Built to take it, the unit is housed in high impact plastic case, has a type "F" fitting for 75-ohm coaxial input, and special break-resistant twinlead on the 300-ohm end. Unit features 60 Hz ac isolation. A F-59A connector is provided.



UHF MODEL MTU-372



Model MTU-372 is an indoor 300/75-ohm antenna impedance matching transformer which converts coaxial cable down-lead to 300-ohm TV antenna input. The unit has a flat response over the entire UHF-TV band, and features low insertion loss. The 75-ohm fitting is type F-61A, and is shipped with a matching F-59A cable connector. Twinlead attachment for 300-ohm is by screw terminals.

ALL-CHANNEL MODEL T-379

Model T-379 is an all-channel (VHF/UHF) matching transformer for 75-ohm coaxial cable to 300-ohm TV set. Appearance and physical construction is similar to Model T-378.

VHF MODEL T-372

Model T-372 is a VHF 300/75-ohm matching transformer. Unit has a flat response across the frequency range of 54-216 MHz, and provides ac-dc isolation. Unit is for indoor surface mounting and is housed in a blister can, with C-61 input connector. C-52 male connector is provided.



VHF MODEL T-373

This is a flush mounted version of Model T-372. B-59 cable bushing is provided.



INDOOR MATCHING TRANSFORMERS

SPECIFICATIONS— INDOOR MATCHING TRANSFORMERS

MODEL	ALL-CH.	VHF				UHF
	T-379	T-372	T-373	T-378	MTU-372	
PASSBAND (MHz)	54-890	54-216	54-216	54-216	470-890	
MAXIMUM INSERTION LOSS (dB)	VHF: 0.8 UHF: 1.3	1.0	1.0	1.0	470 MHz: 0.6 890 MHz: 1.2	
IMPEDANCE (ohms)	300/75	300/75	300/75	300/75	300/75	
CONNECTORS	F-61A	C-61	B-59	F-61A	F-61A	
VSWR	1.55:1	1.3:1	1.42:1	1.55:1	1.5:1	
AC-DC ISOLATION	no	yes	yes	yes	yes	

DESIGN AIDS

SPLIT-PAGE HANDBOOK . . . of TV Distribution Systems

Many television servicemen have overlooked the lucrative field of small television system design and installation. In this handbook, Jerrold provides over 100 unique "split-page" layout charts which covers most situations ordinarily encountered by the serviceman in selling MATV systems to this market. The book explains exactly how to lay out, install and service systems for homes, motels, dealer showrooms, and apartments.
Order DS-C-005.2



TV DISTRIBUTION SYSTEM CALCULATOR

Distribution system layout is simplified with this easy to use calculator. It enables you to choose the right tap for each room in the building—quickly and easily. Tells you the total attenuation of the system, and head-end output requirement.
Order DS-C-008



75-OHM LINE SPLITTERS

Jerrold line splitters feature hybrid circuitry for excellent 75-ohm impedance match and isolation between outputs. Terminate unused outputs of 1514A with TR-72F, and G-1518 with TR-75G.

VHF SPLITTER, 2-WAY, MODEL 1562A

This two-way hybrid splitter covers 54 to 216 MHz. Maximum splitting loss is 4.0 dB. Isolation between outputs is a minimum of 15 dB.



VHF SPLITTER, 2-WAY, MODEL 1592

Hybrid splitter covering 4 to 216 MHz. Maximum splitting loss is 3.5 dB. Isolation between outputs is a minimum of 18 dB.



VHF SPLITTER, 4-WAY, MODEL 1514A

Four-way splitter covering 54 to 216 MHz. Maximum splitting loss is 7.0 dB. Isolation between outputs is a minimum of 12 dB.



VHF SPLITTER, 4-WAY, MODEL 1584

This four-way hybrid splitter covers 20 to 216 MHz. Maximum splitting loss is 7.0 dB. Isolation between outputs is a minimum of 18 dB.



VHF SPLITTER, 8-WAY, MODEL G-1518

This eight-way coaxial splitter provides eight outputs in a compact 9 cubic inch device. Uses "Gamma" push-on connectors. Passband is 54 to 216 MHz. Maximum splitting loss is 10.5 dB. Isolation between outputs is a minimum of 8 dB. Dimensions: 3" L, 2-5/16" W, 1-5/16" H.

UHF/VHF LINE TERMINATING UNIT, MODEL ST-1203



Jerrold Model ST-1203 is an all-channel termination network for connecting a 75-ohm coaxial tap line to the TV receiver's 300-ohm input terminals. This unit is ideally suited to MATV applications for all-channel store systems.

Unit passes all channels (2 to 83) and provides ac power isolation. Whether attached to the TV receiver or not, tap line signal is unaffected.

PASSBAND: 54 to 890 MHz. INPUT IMPEDANCE: 75 ohms, Maximum VSWR: 1.5:1. OUTPUT IMPEDANCE: 300 ohms. INPUT CONNECTOR: Model F-61A. F-59A cable connector is provided.

CAC CABLE, CAC-500, CAC-1000

Jerrold "Coloraxial" all-channel "CAC" coaxial cable is manufactured and sweep-tested for distribution systems carrying both UHF and VHF. Supplied in spools 500-foot length—CAC-500; and 1000-foot length—CAC-1000.

UHF/VHF SPLITTER, 2-WAY, MODEL 1502A

Jerrold Model 1502A is a resistive all-channel splitter covering dc to 890 MHz. Maximum splitting loss is 6.5 dB. Isolation between outputs is 6 dB.



UHF/VHF SPLITTER, 2-WAY, OUTDOOR MODEL SCX-2

Jerrold Model SCX-2 is a two-way, all-channel, resistive splitter with a weatherized housing for outdoor mounting. Passband is 0 to 890 MHz. Maximum splitting loss is 6.0 dB. Isolation between any two outputs is a minimum of 6 dB.



UHF/VHF SPLITTER, 2-WAY, MODEL 1596

Jerrold Model 1596 is a hybrid all-channel two-way network covering the passband of 20 to 890 MHz. Maximum splitting loss is 4.0 dB at VHF and 5.0 dB at UHF. Isolation between outputs is 18 dB minimum at 20 to 216 MHz. 12 dB minimum at 470 to 890 MHz.



OUTDOOR HOUSING, MODEL HB-1

Model HB-1 is an iridized metal housing used to protect "blister can" units such as splitters when used in outdoor installations. Mounts to antenna mast, messenger wire or wall. All necessary mounting hardware is provided.



SPECIFICATIONS—75-OHM LINE SPLITTERS

MODEL	VHF					VHF/UHF		
	1562A	1592	1514A	1584	G-1518	1502A	SCX-2	1596
DESCRIPTION	2-way	2-way	4-way	4-way	8-way	2-way	2-way	2-way
CONNECTOR FITTINGS	B-59	"F"	"F"	"F"	"G"	"F"	"F"	"F"
BANDWIDTH (MHz)	54-216	4-216	54-216	20-216	54-216	0-890	0-890	20-890
MAXIMUM SPLITTING LOSS (dB)	4.0	3.5	7.0	7.0	10.5	6.0	6.0	5.0
MINIMUM ISOLATION BETWEEN OUTPUTS (dB)	15-20	18-20	12	18-26	8-17	6.5	6	12-18
SHIPPED WITH CONNECTORS	NR	F-59	F-59	F-59A	G-59	F-59	no	F-59A
SHIPPING WEIGHT	6 oz.	8 oz.	7 oz.	7 oz.	1 1/2 lbs.	6 oz.	6 oz.	8 oz.

DIRECTIONAL COUPLERS

VHF-TV DIRECTIONAL COUPLERS MODELS DC-8, DC-12, DC-16

Models DC-8, DC-12, and DC-16 are back-matched directional coupler type tap units featuring high isolation between the tap terminal and the output terminal, a low insertion loss between the input and output, and excellent match on the input, output and tap terminals.

ALL-CHANNEL DIRECTIONAL COUPLER, MODEL DC-12UV

Jerrold's NEW DC-12UV is a matched directional coupling network for tapping VHF/UHF-TV and FM. Isolation is a minimum of 12 dB. Impedance—75 ohms. Unit is designed for indoor mounting and housed in a blister can. Fittings are F-61A. Supplied with three F-59A cable connectors and mounting hardware.



SPECIFICATIONS—DIRECTIONAL COUPLERS

MODEL NUMBER	VHF			VHF/UHF
	DC-8	DC-12	DC-16	DC-12UV
PASSBAND (MHz)	7-216	6-216	5-216	10-890
INSERTION LOSS, MAXIMUM (dB)	1.5	1.0	.75	VHF: 1.75±0.5 UHF: 2.25±0.5
TAP LOSS (dB)	9.0 max.	12.0±0.75	16.0±0.75	10-54 MHz: 13.0±0.5 54-216 MHz: 12.0±0.5 470-890 MHz: 12.5±0.5
ISOLATION, MINIMUM (dB)	7-54 MHz: 28.0 54-216 MHz: 18.0	5-54 MHz: 26.0 54-216 MHz: 18.0	5-54 MHz: 26.0 54-216 MHz: 18.0	18.0
VSWR (all terminals)	12-54 MHz: 1.7:1 54-216 MHz: 1.3:1	6-20 MHz: 1.45:1 20-216 MHz: 1.22:1	5-216 MHz: 1.22:1	1.4:1

AURAL CARRIER REDUCERS

MODELS ACR-25 AND ACR-712

NEW Jerrold Aural Carrier Reducers allow adjacent channels to be received and distributed on the same MATV cable without adversely affecting the color sub-carrier. The aural carrier level of lower channel is reduced to prevent beat interference with adjacent visual carrier. **Model ACR-25**—Field tunable 59.75 (Channel 2 sound) to 81.75 MHz (Channel 5 sound). **Model ACR-712**—Field tunable 179.75 (Channel 7 sound) to 209.75 MHz (Channel 12 sound).



SPECIFICATIONS— MODELS ACR-25 AND ACR-712

Aural Carrier Reduction (dB)	Fixed at 12 ±1.5
Insertion Loss (dB)	1.5 maximum outside of trapping frequency in the same band. (ACR-25 is 2.0 maximum in high band.)
Impedance (ohms)	75 (in and out)
VSWR (maximum)	ACR-25: 1.3:1 ACR-712: 1.4:1

CABLE EQUALIZERS

VHF CABLE EQUALIZER, MODEL VCE-16

Model VCE-16, designed for the VHF range (54 to 216 MHz), compensates for 16 dB tilt in cable attenuation between Channels 2 and 13 (a length equivalent to 33 dB at 211.25 MHz). Unit is for limited use when cascading Model 3660 VHF Amplifiers. It is supplied with mounting hardware and two F-59A cable connectors.

PASSBAND: 54 to 216 MHz. IMPEDANCE: 75 ohms. MAXIMUM VSWR: 1.2:1 (minimum return loss of 21 dB). ATTENUATION: 1.0 dB nominal at 216 MHz.



UHF CABLE EQUALIZER, MODEL UCE-6

Model UCE-6 is designed for the UHF range (470 to 890 MHz). It compensates for 6 dB tilt in cable attenuation between Channels 14 and 83 (a length equivalent to 21 dB at 890 MHz). Unit is for use when cascading Model 5330 UHF Amplifier. It is supplied with mounting hardware and two F-59A cable connectors.

PASSBAND: 470 to 890 MHz. IMPEDANCE: 75 ohms. MAXIMUM VSWR: 1.38:1 (minimum return loss of 16 dB). ATTENUATION: 0.5 dB nominal at 890 MHz.



TERMINATIONS

ALL-CHANNEL TERMINATING RESISTOR MODEL TR-75UF

Model TR-75UF—This precision 75-ohm termination for F-61A or F-81 connectors should be used for VHF, UHF, and all-channel systems.

FREQUENCY RANGE: 54 to 216 and 470 to 890 MHz. MAXIMUM VSWR: 1.06:1 (30 dB minimum return loss) for VHF range, 1.2:1 (25 dB minimum return loss) for UHF range.



TERMINATING RESISTOR, MODEL TR-72

Model TR-72 is a close-tolerance 75-ohm resistor for line or equipment termination. Mates with C-61 or C-81 connectors. Return loss is a minimum of 26.0 dB.



TERMINATING RESISTOR, MODEL TR-72F

Similar to Model TR-72, except mates with connectors F-61, F-81, or A-61. Return loss is a minimum of 26.0 dB.



TERMINATING RESISTOR, MODEL TR-75G

75-ohm terminating resistor for "G" type chassis fittings. Return loss is a minimum of 26.0 dB.



TERMINATING RESISTOR, MODEL TR-72B

Model TR-72B is an inexpensive 75-ohm terminator for use with B-59 type bushings. Terminates Ultra Tap outlets, Models UT-22 or UT-33. Return loss is a minimum of 26.0 dB.



COAXIAL CONNECTORS, ADAPTERS AND FITTINGS

Jerrold solderless connectors are designed for permanent installation to all types of RG-59, RG-6, RG-11 and "CAC" coaxial cables with simple crimping tools. The connectors shown are carefully machined of brass and all exposed surfaces are heavily silver-plated. Jerrold "G" series chassis and mating push-on connectors are

designed for installations requiring repeated simple, fast and reliable connection/disconnection. Male connector types are used with 75-ohm RG-59 or CAC cable. Terminating resistor TR-75G is a 75-ohm push-on unit.

G-SERIES PUSH-ON CONNECTORS

PG-59 Male Cable Connector

This improved push-on connector is designed for installations where repeated connections and disconnections are required. Mates with any Jerrold "G" chassis fittings. Silver plated brass center pin. Used with RG-59 coaxial cable for 75-ohm applications.



G-59 Male Cable Connector

Male cable connector provides solderless connection to RG-59 cable for 75-ohm use. Features built-on ferrule. Used with Jerrold "G" type chassis fittings, this fitting provides firm, reliable connections or rapid disconnections.



G-56 Male Cable Connection

Similar to Model G-59 except has separate ferrule and is designed for use with Jerrold "CAC" type coaxial all-channel cable.



G-61 Female Chassis Fitting

Accepts PG-59, G-59 and G-56 push-on type male cable connectors.



F AND C-SERIES CONNECTORS, COUPLINGS, FITTINGS AND A-SERIES ADAPTERS

FOR RG-59/U CABLE

F-59 Male Cable Connector

For use with RG-59/U type cable. Mates with F-61A, F-81, A-61. 75-ohm use. Use Crimping Tool PL-602 or PL-659. Separate ferrule supplied.



F-59A Male Cable Connector

Similar to type F-59 except unit has a built-on ferrule.



C-52 Male Cable Connector

Mates with C-61. For RG-59/U type cable used for 75-ohm applications. Use Crimping Tool PL-602 or PL-659.



FOR RG-6/U CABLE

F-56 Male Cable Connector

For RG-6 cables at 75 ohms. Mates with F-61A, A-61, F-101 and AF-201. Separate ferrule supplied.



FOR CAC CABLE

F-56A Male Cable Connector

Similar to type F-59A except for use with Jerrold CAC Cable. 75-ohm use. Built-on CAC size ferrule.



FOR RG-11/U CABLE

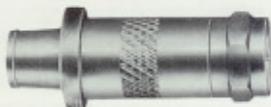
AF-101 Adapta-Fit Male Connector

For RG-11 cable at 75 ohms. Mates with F-81, F-61A, and A-61. Use Crimping Tool PL-602.



AF-201 Adapta-Fit Male Connector

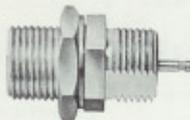
Similar to type AF-101 except for use with RG-11 Foam coaxial cable. NOTE: To splice RG-11/U (or RG-11 Foam)—use two AF-101 (or AF-201) and an F-81. To terminate RG-11/U (or RG-11 Foam) use AF-101 (or AF-201), F-81 and TR-72F.



FOR RG-59/U, RG-6/U OR RG-11/U CABLES

F-61A Female Chassis Fitting

Accepts F-59, F-59A, F-56, TR-72F, AF-101 and AF-201. Mounts in $\frac{3}{8}$ " diameter chassis hole. Uses clutch type collet. 75-ohm.



A-61 Adapter Fitting

Adapts older type C-61 female fitting to F-59 or F-56 male connectors.



C-61 Female Chassis Fitting

Accepts C-52 or A-61. Mounts in $\frac{5}{16}$ " diameter chassis hole.



C-81 Female Coupling

Accepts two C-52 or A-61. Mounts in $\frac{1}{4}$ " diameter chassis hole for use as a feed-thru.



F-81 Female Coupling

Accepts F-59, F-59A or F-56. Mounts in $\frac{3}{8}$ " diameter chassis hole for use as a feed-thru.



F-71 Male Coupling Adapter

Mates with F-61A, F-81, or A-61.



PF-59 Male Coupling Adapter

Adapts F-59 or F-59A for push-on use.



F-91 Female Coupling

Accepts F-56 or F-56A. The center clutch is designed for use with "CAC" cable. Is not interchangeable with F-81.



FERRULES

FOR USE WITH JERROLD SOLDERLESS CONNECTORS

1026 Ferrule—For use with RG-6/U cables.

1051 Ferrule—For use with RG-59/U cables.

1082 Ferrule—For use with Jerrold CAC Cable.

1095 Ferrule—For use with RG-11/U cables.

TOOLS

Crimping Tool PL-602

Crimps Ferrules 1026, 1051 and 1095. Used for connectors to RG-6/U, RG-59/U and RG-11/U.



Crimping Tool PL-659

Crimps Ferrules 1051 and 1082 for connectors to RG-59/U and CAC type coaxial cables.



Cable Drill CD-11

Cuts "doughnut" hole through jacket and shield of coaxial cable for installing Jerrold pressure taps.



CT-2 Cutting Tip

Replacement cutting tip for CD-11 Cable Drill.

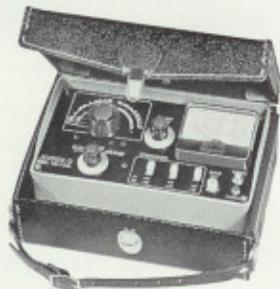


TEST EQUIPMENT

Model 720 Field Strength Meter, VHF-TV and FM

... PORTABLE, SOLID-STATE, FOR ALL FIELD APPLICATIONS

Jerrold Model 720 is an all solid-state Field Strength Meter for 75-ohm use. The lightweight, rugged construction and battery operation make this compact unit ideal for field and other portable applications.



SPECIFICATIONS—MODEL 720

Input Impedance:	75 ohms
Connectors:	Type F
Accuracy:	±1.75 dB
Four Sensitivity Ranges:	10 microvolts to 1 volt; -33 to +60 dBmV
Semi-Conductors:	8 transistors; 4 diodes; 4 thermistors
Batteries:	2 standard 9 volt (transistor radio type)
Frequency Range:	54 to 108 MHz; 174 to 220 MHz

NEW Model AIM-718 Antenna Installer's Signal Strength Meter

Jerrold's new Model AIM-718 is the first Signal Strength Meter designed specifically for the professional antenna installer. This solid-state unit is portable, lightweight (only 4 lbs., 6 oz.), battery operated, and housed in a rugged case with large convenient accessory compartment.

Meter reads directly in dBmV (and microvolts) to show exact antenna requirements, and provides continuous coverage 54 to 216 MHz for VHF TV-FM, 470 to 890 MHz for UHF-TV. Input is 300 ohms or 75 ohms with special plug-in matching transformer available separately.

FEATURES

- Separate VHF and UHF tuners.
- Compact lightweight design.
- Long life battery operation.
- Audio output jack, crystal ear-phone provided.
- Two built-in 20 dB attenuators.
- Safety switch turns off power when cover is closed.



SPECIFICATIONS—MODEL AIM-718

Input Impedance	Direct 300 ohms, or 75 ohms with special plug-in matching transformer.	
Connectors	300-ohm receptacle, 4 push-in spring terminals provided for quick twinlead connection. Type F connector for 75-ohm use on matching transformer.	
Meter Ranges**	Microvolts (at 300 ohms)*	50 uV to 2,000 uV basic scale. 500 uV to 20,000 uV with one attenuator "in". 5,000 uV to 200,000 uV with two attenuators "in".
	Decibels	VHF/UHF: -26 to 0 dB basic scale. VHF/UHF: -6 to +20 dB with one attenuator "in". VHF only: +14 to +40 dB with two attenuators "in".
Sensitivity	20 uV at 75 ohms 40 uV at 300 ohms	
Accuracy	VHF Band—3 dB UHF Band—6 dB	
Batteries	Four 9 volt batteries—low current consumption for extended life.	
Size (with carrying case)	9" L x 6½" W x 4" H	

*For 75-ohm operation values are ½ scale reading.
**Reads average signal level.

MODEL 727 SOLID-STATE FIELD STRENGTH METER

... from 10 Microvolts to 3 Volts in 10 Ranges

Jerrold new Model 727 is an outstandingly accurate and reliable instrument featuring fully solid-state circuitry. Model 727 is a direct reading, tuned rf voltmeter (Field Strength Meter) for sub-VHF, VHF-TV, and FM measurements. This rugged, accurate and easy-to-use instrument will make rf signal strength measurements within the frequency range of 5-50 MHz and 54-216 MHz in four ranges. The solid-state circuitry contains 20 transistors and 12 diodes. Unit provides a recorder output for signal surveys; a video output jack for detected output of video signal; and meter range indication to eliminate need for calculation. Bright frequency and meter dial lights permit easy use in subdued or darkened ambient light conditions.

FEATURES

FREQUENCY RANGE: 5-50 MHz and 54-216 MHz in 4 ranges.

METER RANGES: 10 microvolts to 3 volts in 10 ranges.

POWER REQUIREMENTS: Three sources: (1) built-in, rechargeable nickel-cadmium battery (10 hours continuous use between charges), (2) 115/230 V ac 50/60 Hertz, and (3) 12 V dc (50 mA drain).

ACCURACY: ±1.5 dB.

ACCESSORIES AVAILABLE: 300/75-ohm transformer and F-59 connector.

INPUT IMPEDANCE: 75 ohms.

CONNECTORS: 75 ohms, F type.

Model UH-727 is a plug-in adapter to extend the range of Model 727 to cover the UHF band (470 to 890 MHz).

MODEL 704B FIELD STRENGTH METER

... Reads Down to 5 Microvolts and Up to 3 Volts

The Model 704B Field Strength Meter is a direct-reading instrument for accurate TV and FM measurements within the frequency range of 54 to 220 MHz. A specially designed tuner assures excellent selectivity. Other features include: 75-ohm impedance; uniform gain; 0.6 MHz bandwidth; precise reading in dB or microvolts; phone output for listening to FM signals; and oscilloscope output for examining composite video. **ACCESSORIES AVAILABLE:** 300/75-ohm transformer and F-59 connector.



Model 727



Model 704B

CROSS REFERENCE INDEX

Model No.	Description	Page	Model No.	Description	Page	Model No.	Description	Page
A-21	Attenuator	X-9	J55-Series	Antenna	W-2	TLB-1	Trap	X-4
A-61	Fitting	X-13	J105-HI	Antenna	W-2	TO-374A	Matching Transformer	X-3
ACR-25	Aural Carrier Reducer	X-11	J105-Series	Antenna	W-2	TR-72	Termination	X-11
ACR-712	Aural Carrier Reducer	X-11	JHB-713	Antenna	T-4	TR-72B	Termination	X-11
AF-101	Connector	X-13	JIN-2	Antenna	T-8	TR-72F	Termination	X-11
AF-201	Connector	X-13	JIN-3	Antenna	T-8	TR-75G	Termination	X-11
AFT-2000	AM/FM Tuner	X-6	JIN-4	Antenna	T-8	TR-75UF	Termination	X-11
AIM-718	Signal Strength Meter	X-14	JLB-26	Antenna	T-4	TX-FM	Mixing Network	X-3
AMA-50	Amplifier	X-6	JPP-35	Antenna	T-3	TX-HP	Filter	X-4
AMN-HI	Mixing Network	X-3	JSS1	Stacking Kit	W-2	TX-Series	Mixing Networks	X-3
AMN-LO	Mixing Network	X-3	JTH10-Series	Antennas	T-4	TX-MS	Splitter/Mixer	X-4, Y-5
APM-106	Preamplifier	Y-1	JTL5-Series	Antennas	T-4	U3V	Converter	X-5
AT-Series	Modulator	X-6	JUP-1	Antenna	T-7	U4V	Converter	X-5
C-13	Antenna	T-2	JUP-2	Antenna	T-7	U5V	Converter	X-5
C-13K	Antenna Kit	T-2	JUP-3	Antenna	T-7	UCE-6	Cable Equalizer	X-11
C-14	Antenna	T-2	JUP-4	Antenna	T-7	UCF-Series	Channel Filters	X-4
C-15	Antenna	T-2	JUP-5	Antenna	T-7	UF-2	Coupler	Y-5
C-52	Connector	X-12	LHS-76	Splitter/Mixer	X-4	UH-727	UHF Adapter, FSM	X-14
C-61	Fitting	X-13	LPM-102	Preamplifier	Y-2	ULP-104	Preamplifier	Y-2
C-81	Coupling	X-13	M-2A	Coupler	Y-5	UMN-3	Mixing Network	X-4
C677M	Antenna	T-8	MCX-13	Antenna	T-2	UPM-104	Preamplifier	Y-2
C677MK	Antenna Kit	T-8	MCX-82	Antenna	T-2	UPC-105	Preamplifier	X-2, Y-2
CAB-50	Cable Kit	Y-4	MF-2	Coupler	Y-4	UT-13	Tap	X-7
CAB-75	Cable Kit	Y-4	MF-4	Coupler	Y-4	UT-18	Tap	X-7
CAC-50	Cable Kit	Y-4	MP-3	Mounting Panel	X-4	UT-22	Tap	X-7
CAC-75	Cable Kit	Y-4	MTP-20	Tap	X-9	UT-33	Tap	X-7
CAC-100	Cable Kit	Y-4	MTU-372	Matching Transformer	X-9	UT-82-59	Tap	X-7
CAC-500	Cable	X-10, Y-4	MTUO-374	Matching Transformer	X-3	UT-82-CAC	Tap	X-7
CAC-1000	Cable	X-10, Y-4	MUV-374	Matching Transformer	X-3	UT-PI	Wall Plate	X-7
CAT-2	Conversion Kit	Y-4	PAB-30K	Antenna Kit	T-1	UT-PS	Wall Plate	X-7
CAX-16	Antenna	T-2	PAB-45K	Antenna Kit	T-2	UT-SH	Housing	X-7
CAX-16K	Antenna Kit	T-2	PDL(-)	Attenuators	X-9	UTM-1	Converter	Y-6
CAX-17	Antenna	T-2	PF-59	Adapter	X-13	UV-2	Coupler	Y-4
CAX-18	Antenna	T-2	PG-59	Connector	X-12	UV-82	Converter	Y-6
CD-11	Cable Drill	X-13	PIX-35	Antenna	T-3	V-301	Antenna	T-6
CPM-107	Preamplifier	Y-1	PIX-45	Antenna	T-3	V-302	Antenna	T-6
CT-2	Drill Tip	X-13	PIX-75	Antenna	T-3	V-303	Antenna	T-6
DC-8	Directional Coupler	X-11	PIX-105	Antenna	T-3	V-304	Antenna	T-6
DC-12	Directional Coupler	X-11	PIX-135	Antenna	T-3	V-305	Antenna	T-6
DC-12UV	Directional Coupler	X-11	PIX-165	Antenna	T-3	V-306	Antenna	T-6
DC-16	Directional Coupler	X-11	PIX-225	Antenna	T-3	V-307	Antenna	T-6
DPT	Tap Plug	X-9	PL-602	Tool	X-13	VCE-16	Cable Equalizer	X-11
DSS-Series	Preamplifiers	X-3, Y-2	PL-659	Tool	X-13	VT-75	Tap	X-8
DS-C-005.2	Handbook	X-10	PT-1461A	Tap	X-9	VT-300	Tap	X-8
DS-C-008	Calculator	X-10	PT-1462A	Tap	X-9	VU-831	Antenna	T-5
F-56	Connector	X-12	PTC	Tap Barrel	X-9	VU-832	Antenna	T-5
F-56A	Connector	X-12	PTR	Tap Barrel	X-9	VU-833	Antenna	T-5
F-59	Connector	X-12	PUX-300	Antenna	T-4	VU-834	Antenna	T-5
F-59A	Connector	X-12	PUX-450	Antenna	T-4	VU-836	Antenna	T-5
F-61A	Fitting	X-13	PUX-500	Antenna	T-4	454	Converter	X-5
F-71	Coupling	X-13	PUX-700	Antenna	T-4	454T	Converter/Amplifier	X-5
F-81	Coupling	X-13	PUX-900	Antenna	T-4	463	Oscillator/Power Supply	X-5
F-91	Coupling	X-13	PXB-30	Antenna	T-1	704B	Field Strength Meter	X-14
FAX-5	Antenna	T-8	PXB-30K	Antenna Kit	T-1	720	Field Strength Meter	X-14
FAX-5K	Antenna Kit	T-8	PXB-45	Antenna	T-1	727	Field Strength Meter	X-14
FAX-10	Antenna	T-8	PXB-45K	Antenna Kit	T-1	823	Antenna Switch	Y-4
FCO-320	Splitter/Mixer	X-4	PXB-50	Antenna	T-2	835	Attenuator	Y-4
FM-5	Antenna	T-8	PXB-65	Antenna	T-2	873	Antenna Switch	Y-4
FM-10	Antenna	T-8	PXB-70	Antenna	T-2	1026	Ferrule	X-13
FMP-8	Antenna	T-7	PXB-90	Antenna	T-2	1051	Ferrule	X-13
FMP-10	Antenna	T-7	SCX-2	Coupler	X-10	1082	Ferrule	X-13
FMP-16	Antenna	T-7	SL-GS	Stacking Kit	T-7	1095	Ferrule	X-13
FS-1314	Splitter/Mixer	Y-4	SL-YSK-LO	Stacking Kit	T-4	1401	Tap	X-9
FT-75	Tap	X-8	SL-YSK-HI	Stacking Kit	T-4	1405	Tap	X-8
G-56	Connector	X-12	SPC-107	Preamplifier	X-2, Y-1	1406	Tap	X-8
G-59	Connector	X-12	SPC-132A	Preamplifier	X-2, Y-1	1407	Tap	X-8
G-61	Fitting	X-12	SPM-106	Preamplifier	Y-2	1425C	Splitter/Mixer	X-4, Y-4
G-300	Adapter	X-7	SRX	Amplifier	Y-6	1435-FM	Trap	X-4
GG26A	Antenna	T-8	ST-1203	Terminal Unit	X-10	1435-Series	Trap	X-4
G626AK	Antenna Kit	T-8	T-372	Matching Transformer	X-9	1460B	Splitter/Mixer	X-4, Y-4
G-1404	Tap	X-8	T-373	Matching Transformer	X-9	1502A	Splitter	X-10
G-1518	Splitter	X-10	T-378	Matching Transformer	X-9	1514A	Splitter	X-10
GP-4	Mounting Plate	X-3	T-379	Matching Transformer	X-9	1562A	Splitter	X-10
GS-42	Antenna	T-7	T-380A	Matching Transformer	X-9	1584	Splitter	X-10
GS-42S	Antenna	T-7	TA-12	Amplified Coupler	Y-6	1592	Splitter	X-10
GS-62	Antenna	T-7	TA-24	Amplified Coupler	Y-6	1596	Splitter	X-10
GS-62S	Antenna	T-7	TA-66	Amplified Coupler	Y-6	1972T	Antenna	T-4
GS-44	Antenna	T-7	TAC-4	Amplifier	X-2, Y-5	3025 (14-46)	Antenna	T-7
GS-44S	Antenna	T-7	TAU-12	Amplified Coupler	Y-6	3025 (16-73)	Antenna	T-7
HB-1	Housing	X-10	TC-88	Amplifier	X-2, Y-5	3025T	Antenna	T-7
J55-FM	Antenna	W-2	TFM-1	Trap	X-4	3044	Antenna	T-7
J55-LO	Antenna	W-2	THB-1	Trap	X-4	3044T	Antenna	T-7
						3088	Antenna	T-7
						3088T	Antenna	T-7
						2880	Amplifier	X-2
						3440	Amplifier	X-1
						3550	Amplifier	X-1
						3660	Amplifier	X-1
						5330	Amplifier	X-1

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